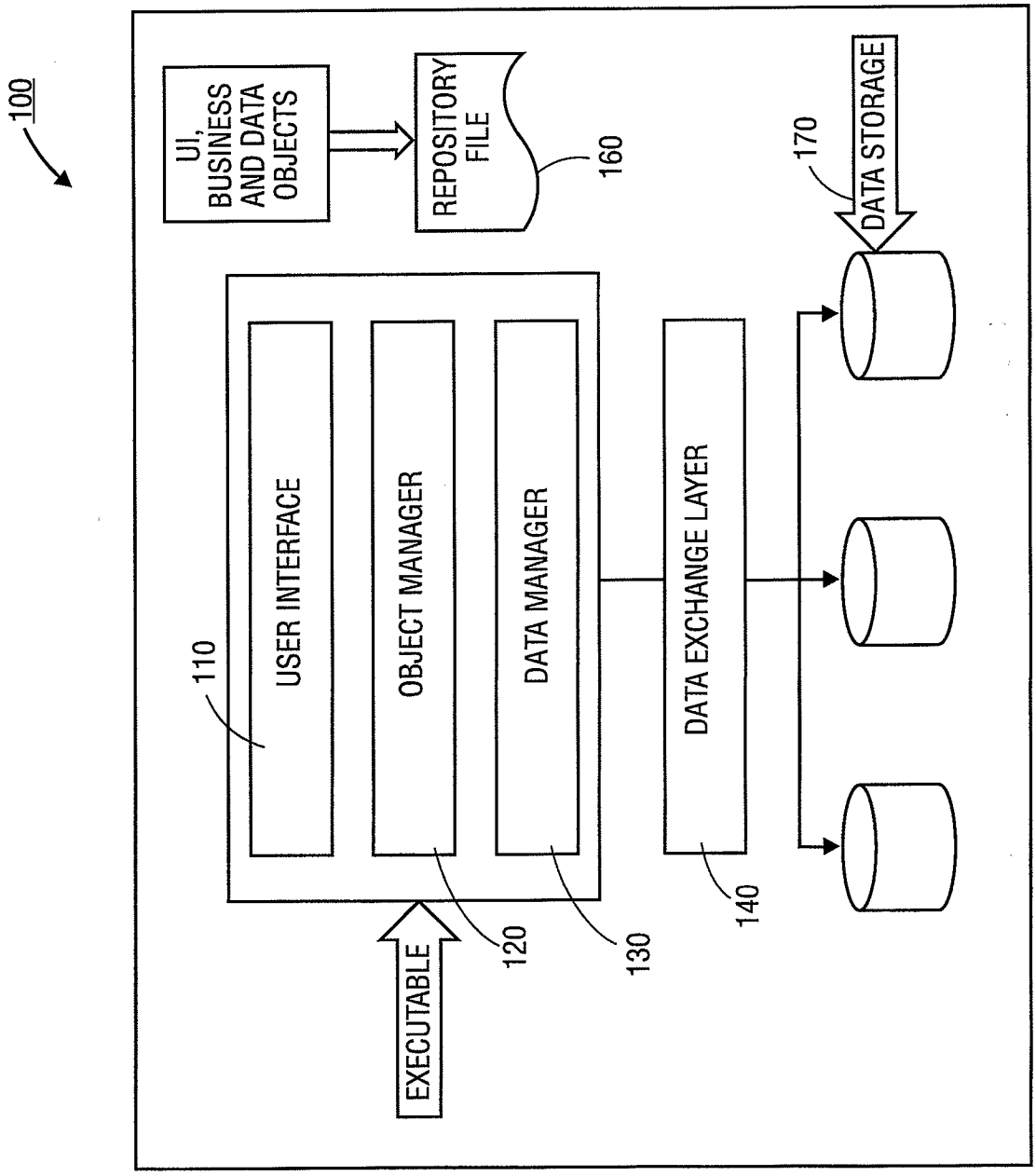

100
UI, BUSINESS AND DATA OBJECTS
REPOSITORY FILE
160
170
DATA STORAGE
USER INTERFACE
OBJECT MANAGER
DATA MANAGER
DATA EXCHANGE LAYER
110
120
130
140
EXECUTABLE

FIG. 1

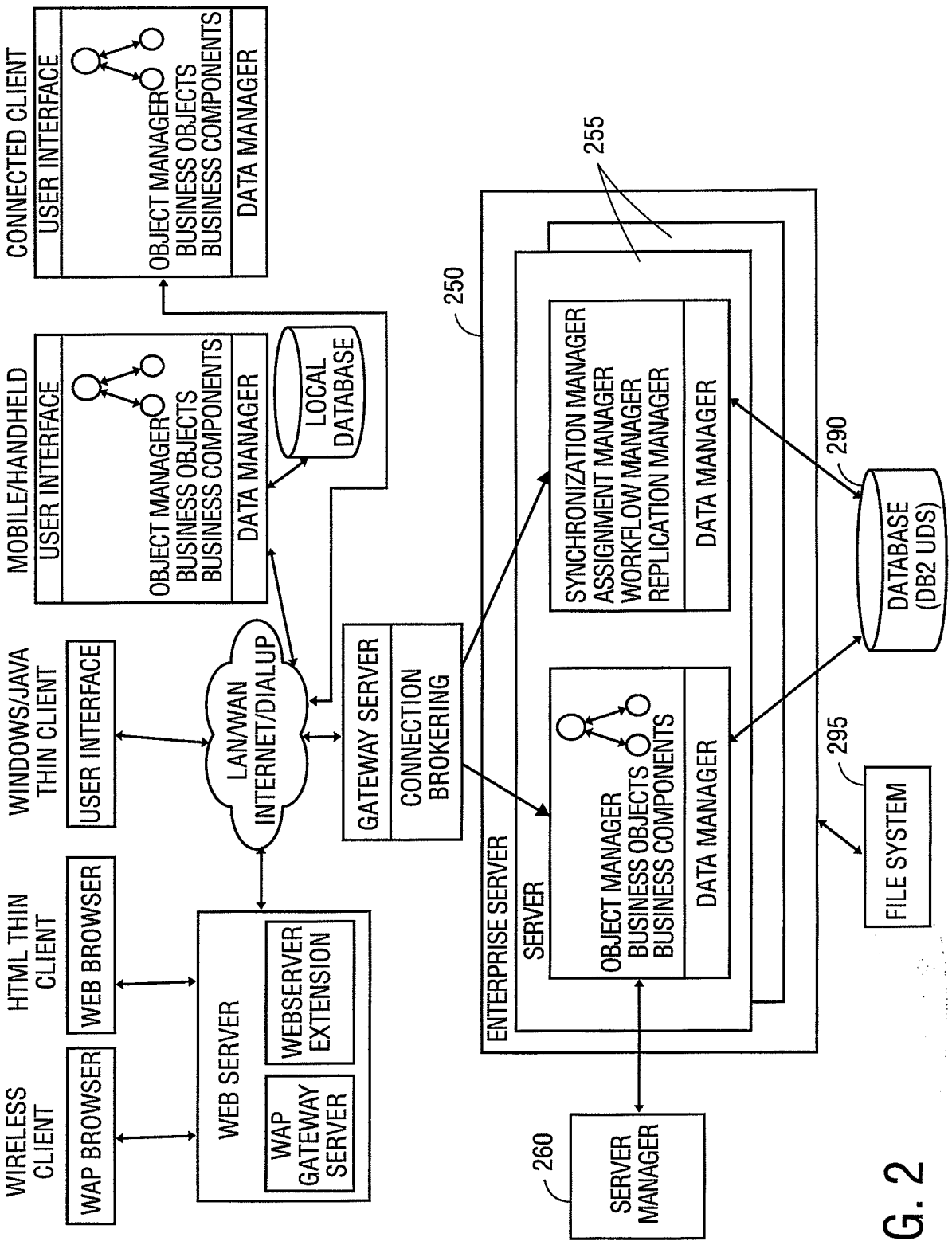

200
CONNECTED CLIENT
USER INTERFACE
OBJECT MANAGER
BUSINESS OBJECTS
BUSINESS COMPONENTS
DATA MANAGER
MOBILE/HANDHELD
USER INTERFACE
OBJECT MANAGER
BUSINESS OBJECTS
BUSINESS COMPONENTS
DATA MANAGER
LOCAL DATABASE
WINDOWS/JAVA THIN CLIENT
USER INTERFACE
HTML THIN CLIENT
WEB BROWSER
WIRELESS CLIENT
WAP BROWSER
LAN/WAN INTERNET/DIALUP
WEB SERVER
WEBSERVER EXTENSION
WAP GATEWAY SERVER
GATEWAY SERVER
CONNECTION BROKERING
250
255
ENTERPRISE SERVER
SERVER
OBJECT MANAGER
BUSINESS OBJECTS
BUSINESS COMPONENTS
DATA MANAGER
SYNCHRONIZATION MANAGER
ASSIGNMENT MANAGER
WORKFLOW MANAGER
REPLICATION MANAGER
DATA MANAGER
290
DATABASE (DB2 UDS)
295
FILE SYSTEM
260
SERVER MANAGER

FIG. 2

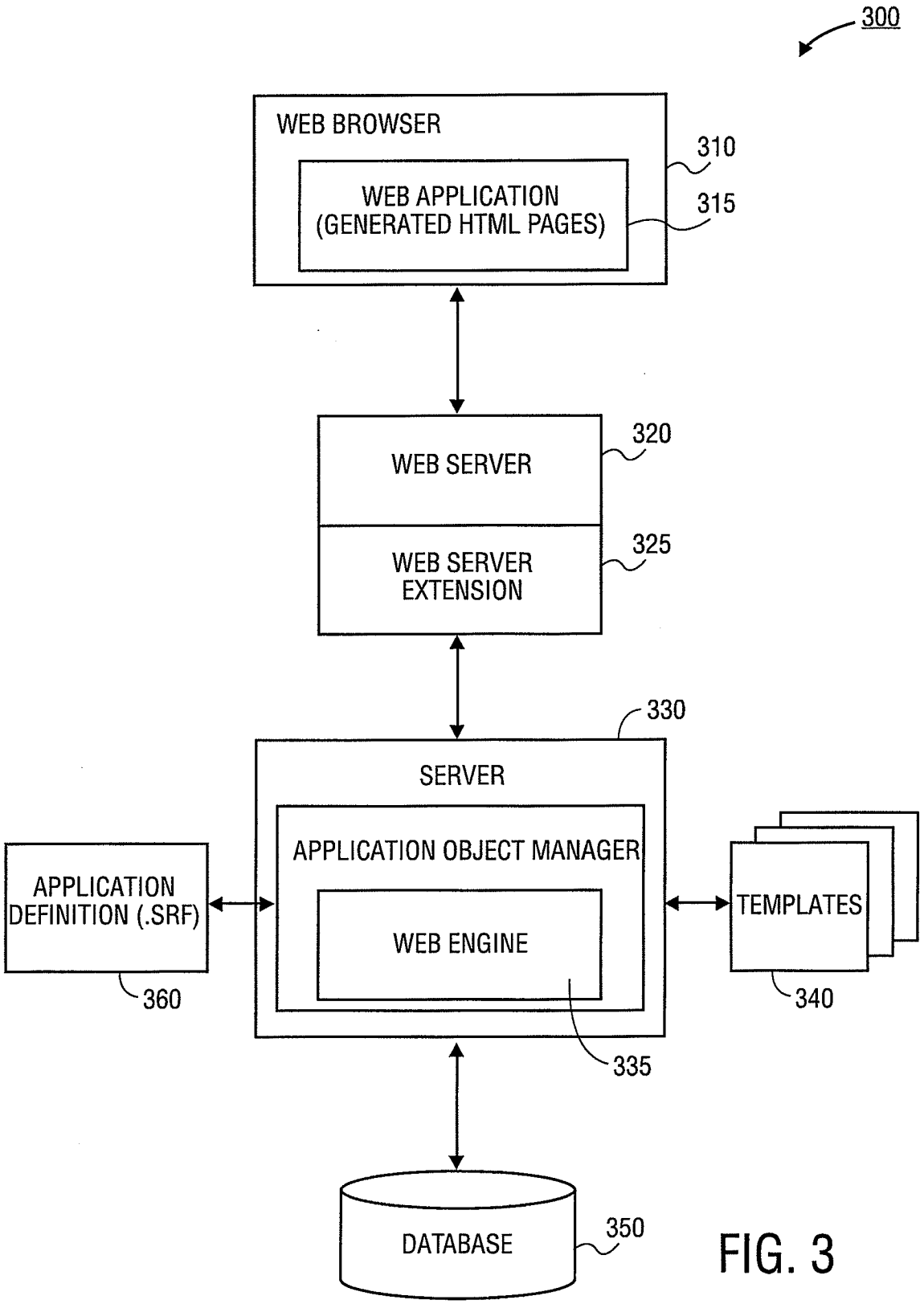

300
WEB BROWSER
310
WEB APPLICATION
(GENERATED HTML PAGES)
315
WEB SERVER
320
WEB SERVER
EXTENSION
325
330
SERVER
APPLICATION OBJECT MANAGER
WEB ENGINE
APPLICATION
DEFINITION (.SRF)
360
TEMPLATES
340
335
DATABASE
350

FIG. 3

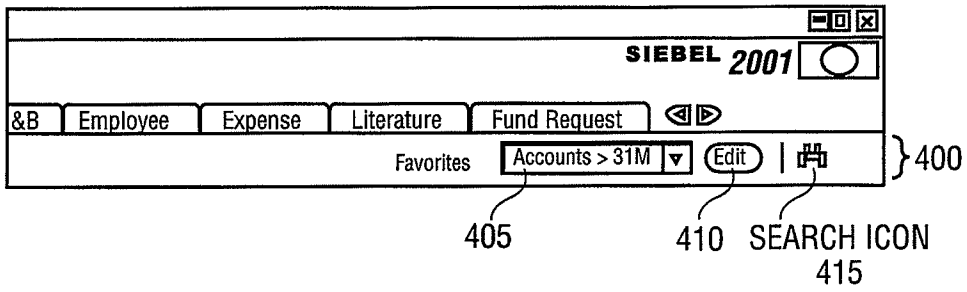

SIEBEL 2001
&B
Employee
Expense
Literature
Fund Request
Favorites
Accounts > 31M
Edit
400
405
410
SEARCH ICON
415

FIG. 4

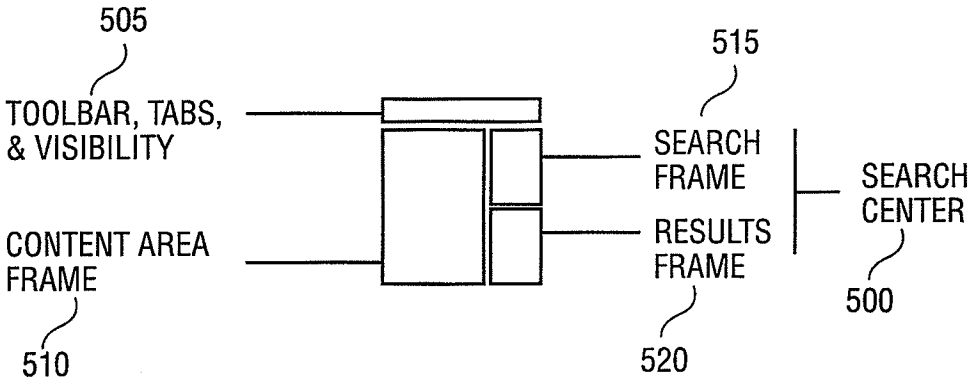

505
TOOLBAR, TABS,
& VISIBILITY
CONTENT AREA
FRAME
510
515
SEARCH
FRAME
RESULTS
FRAME
520
SEARCH
CENTER
500

FIG. 5

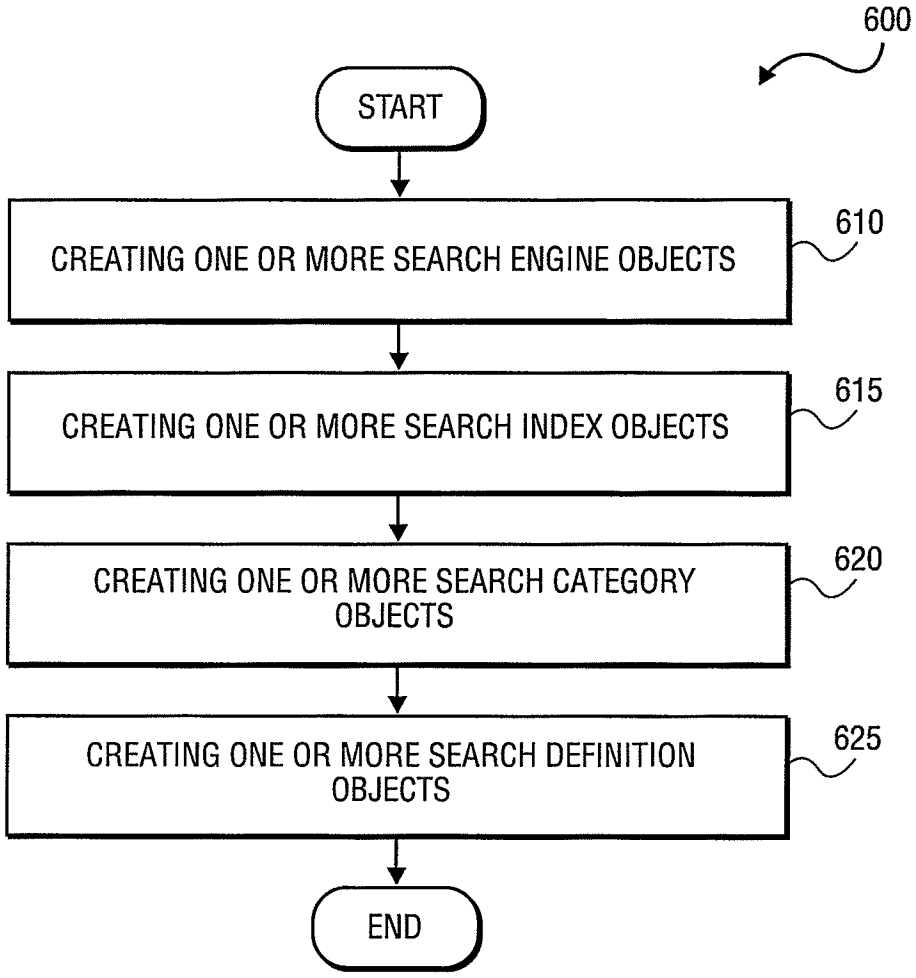

600
START
CREATING ONE OR MORE SEARCH ENGINE OBJECTS
610
CREATING ONE OR MORE SEARCH INDEX OBJECTS
615
CREATING ONE OR MORE SEARCH CATEGORY OBJECTS
620
CREATING ONE OR MORE SEARCH DEFINITION OBJECTS
625
END

FIG. 6

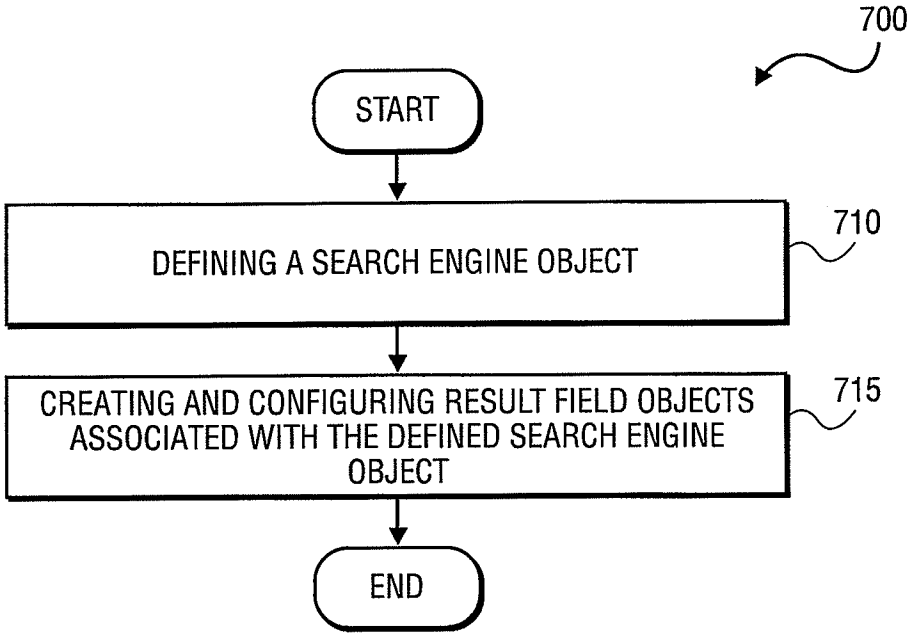

700
START
DEFINING A SEARCH ENGINE OBJECT
710
CREATING AND CONFIGURING RESULT FIELD OBJECTS ASSOCIATED WITH THE DEFINED SEARCH ENGINE OBJECT
715
END

FIG. 7

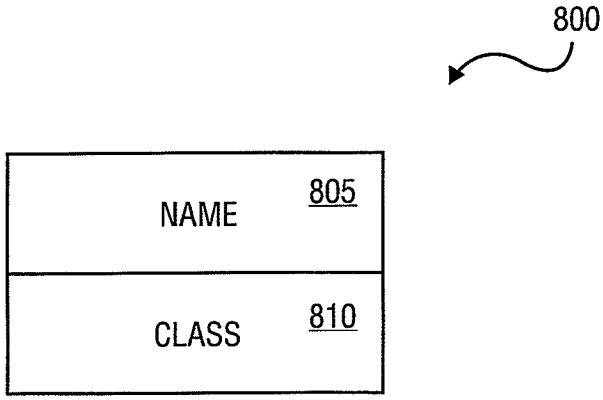

800
NAME
805
CLASS
810

FIG. 8

COLUMN NAME	905
CREATE COLUMN FLAG (OPTIONAL)	910
DATA TYPE (OPTIONAL)	915
INDEX MODE (OPTIONAL)	920
NAME	925
TEXT LENGTH (OPTIONAL)	930
TYPE	935

FIG. 9

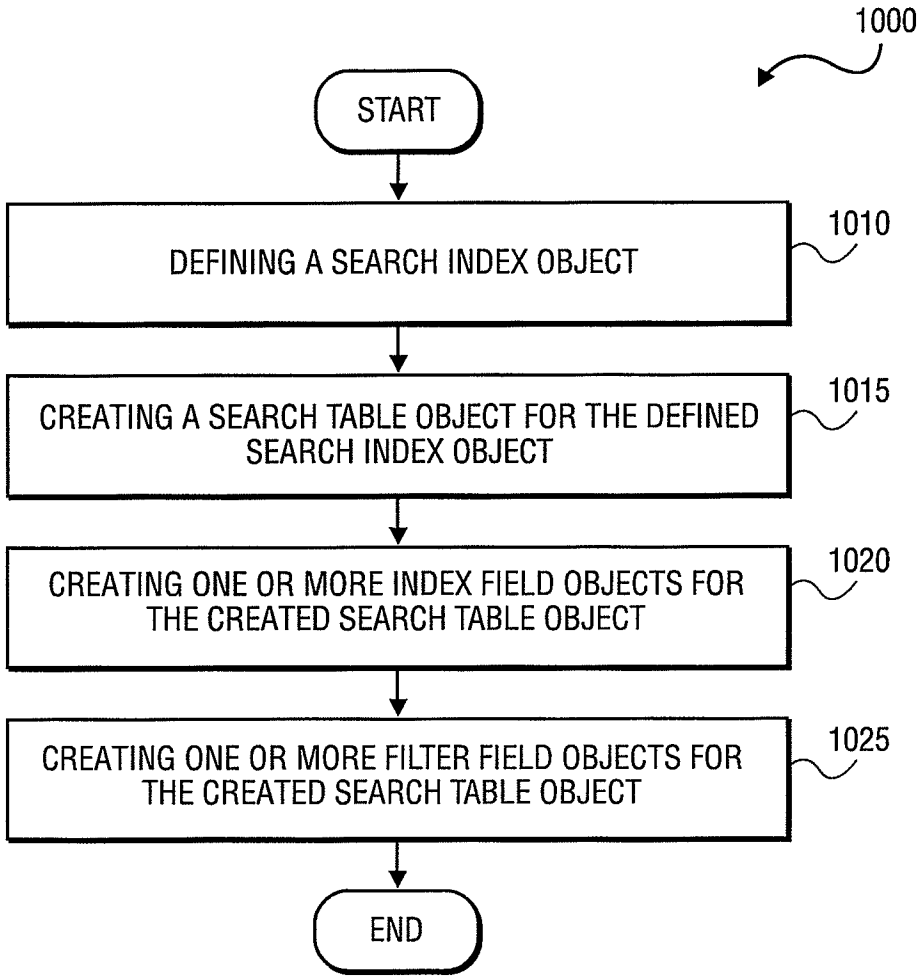

1000
START
DEFINING A SEARCH INDEX OBJECT
1010
CREATING A SEARCH TABLE OBJECT FOR THE DEFINED SEARCH INDEX OBJECT
1015
CREATING ONE OR MORE INDEX FIELD OBJECTS FOR THE CREATED SEARCH TABLE OBJECT
1020
CREATING ONE OR MORE FILTER FIELD OBJECTS FOR THE CREATED SEARCH TABLE OBJECT
1025
END

FIG. 10

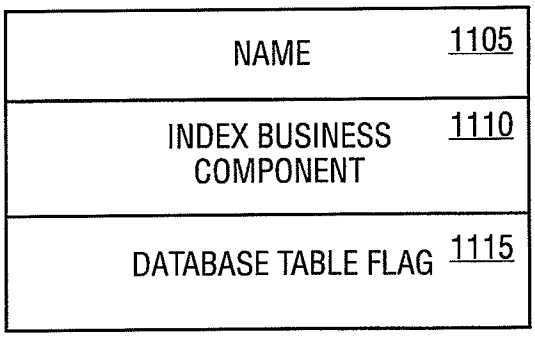

1100
NAME
1105
INDEX BUSINESS COMPONENT
1110
DATABASE TABLE FLAG
1115

FIG. 11

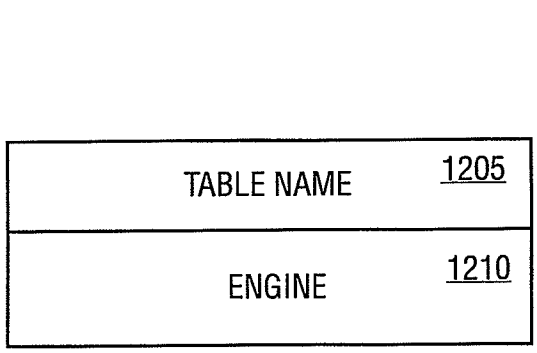

1200
TABLE NAME
1205
ENGINE
1210

FIG. 12

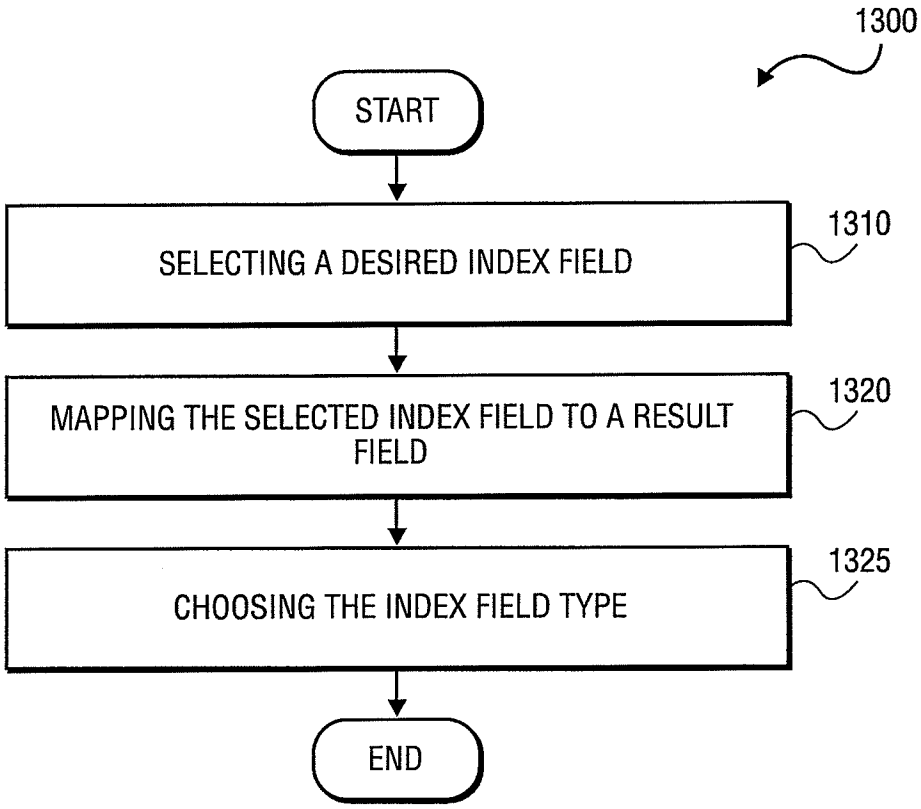
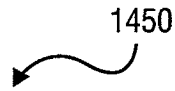

1300
START
SELECTING A DESIRED INDEX FIELD
1310
MAPPING THE SELECTED INDEX FIELD TO A RESULT FIELD
1320
CHOOSING THE INDEX FIELD TYPE
1325
END

FIG. 13

BUSINESS COMPONENT FIELD	1410
RESULT FIELD (OPTIONAL)	1415
INDEX FIELD TYPE (OPTIONAL)	1420
SEQUENCE	1425

FIG. 14A



NAME	1455
COLUMN NAME	1460
DATA TYPE (OPTIONAL)	1465
INDEX MODE (OPTIONAL)	1470
SEQUENCE	1475
TEXT LENGTH (OPTIONAL)	1480

FIG. 14B

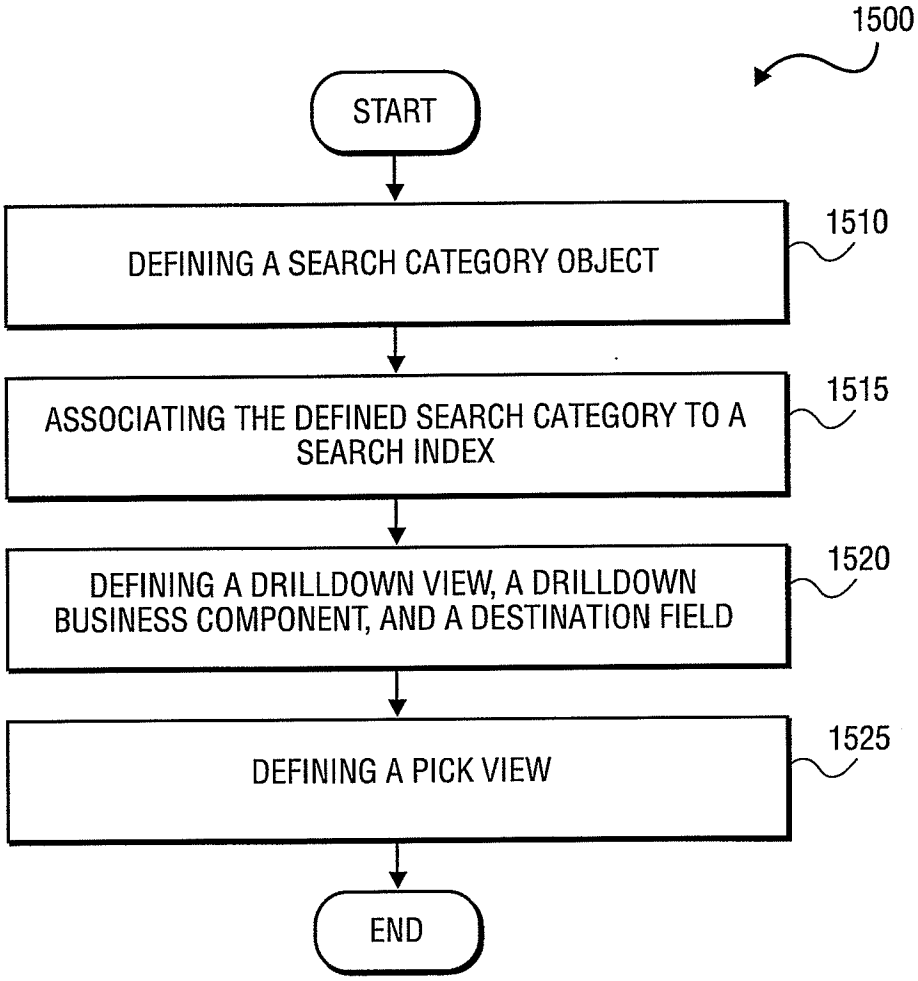

1500
START
DEFINING A SEARCH CATEGORY OBJECT
1510
ASSOCIATING THE DEFINED SEARCH CATEGORY TO A SEARCH INDEX
1515
DEFINING A DRILLDOWN VIEW, A DRILLDOWN BUSINESS COMPONENT, AND A DESTINATION FIELD
1520
DEFINING A PICK VIEW
1525
END

FIG. 15

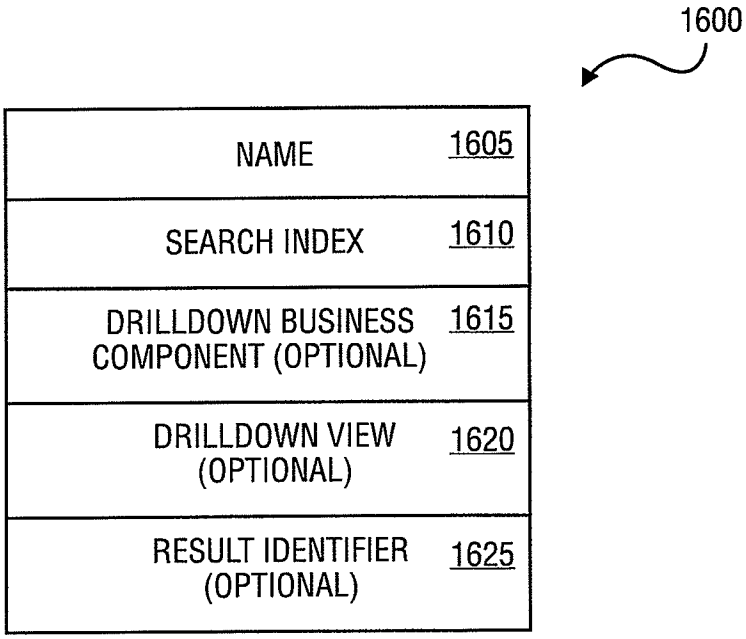

1600
NAME
1605
SEARCH INDEX
1610
DRILLDOWN BUSINESS COMPONENT (OPTIONAL)
1615
DRILLDOWN VIEW (OPTIONAL)
1620
RESULT IDENTIFIER (OPTIONAL)
1625

FIG. 16

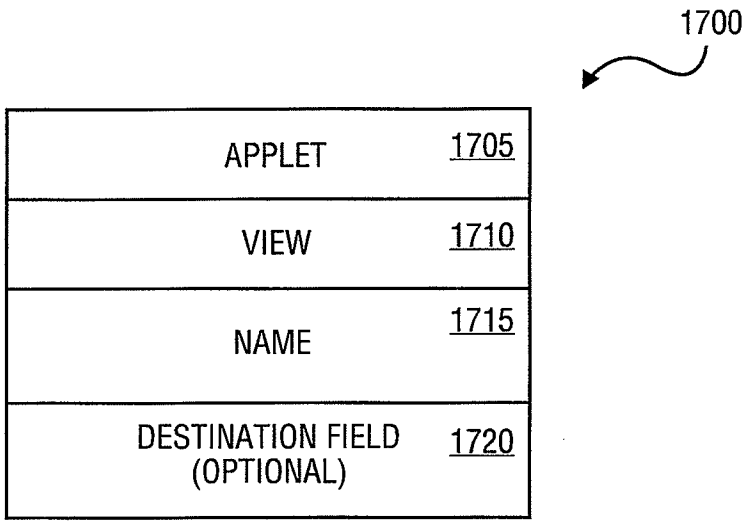

1700
APPLET
1705
VIEW
1710
NAME
1715
DESTINATION FIELD (OPTIONAL)
1720

FIG. 17

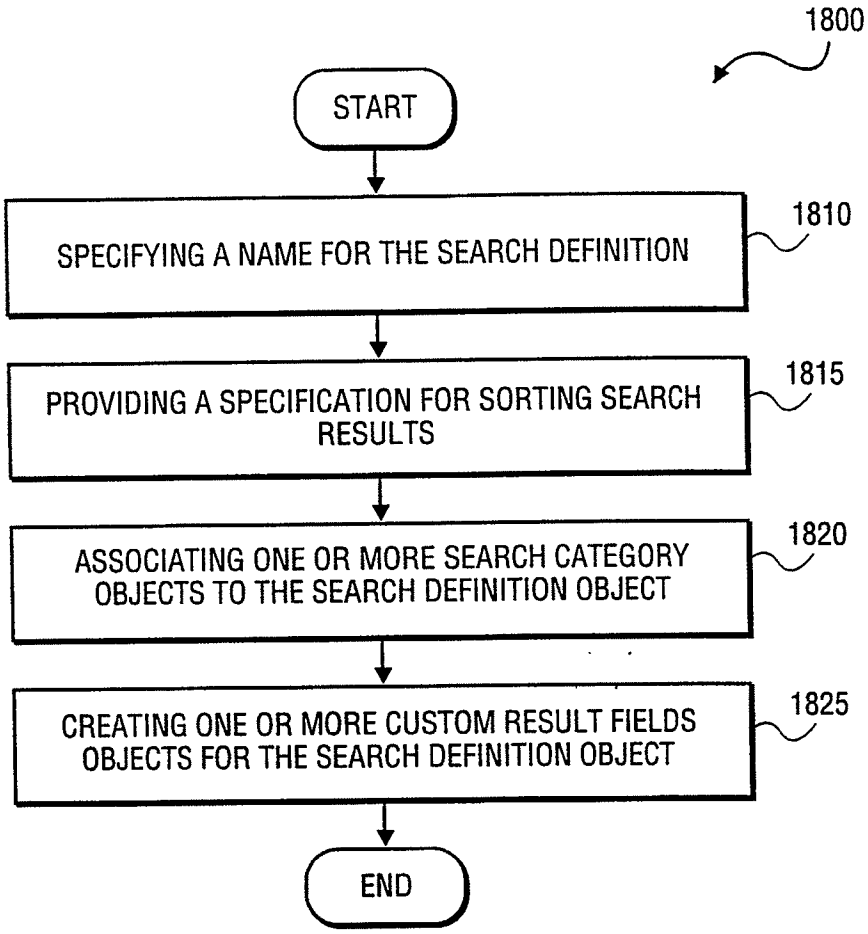


FIG. 18A

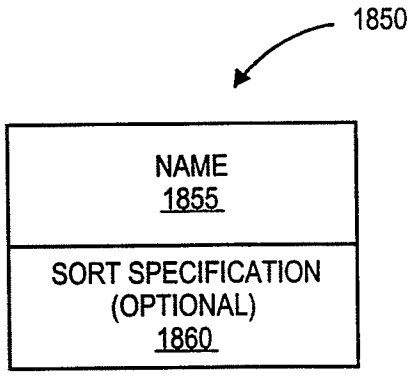


FIG. 18B

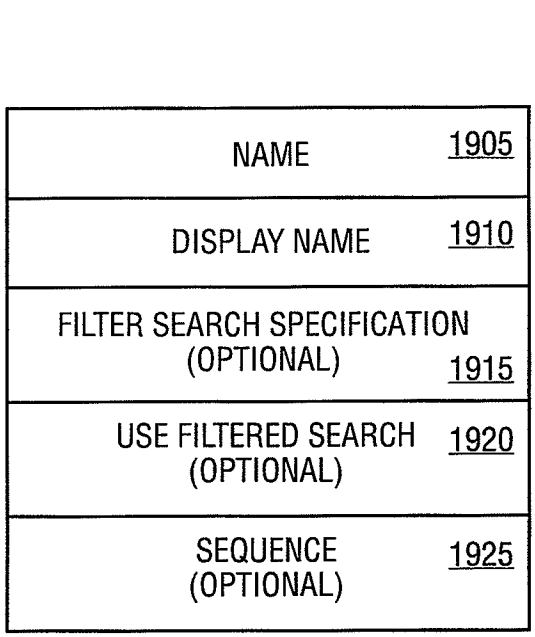

1900
NAME
1905
DISPLAY NAME
1910
FILTER SEARCH SPECIFICATION (OPTIONAL)
1915
USE FILTERED SEARCH (OPTIONAL)
1920
SEQUENCE (OPTIONAL)
1925

FIG. 19

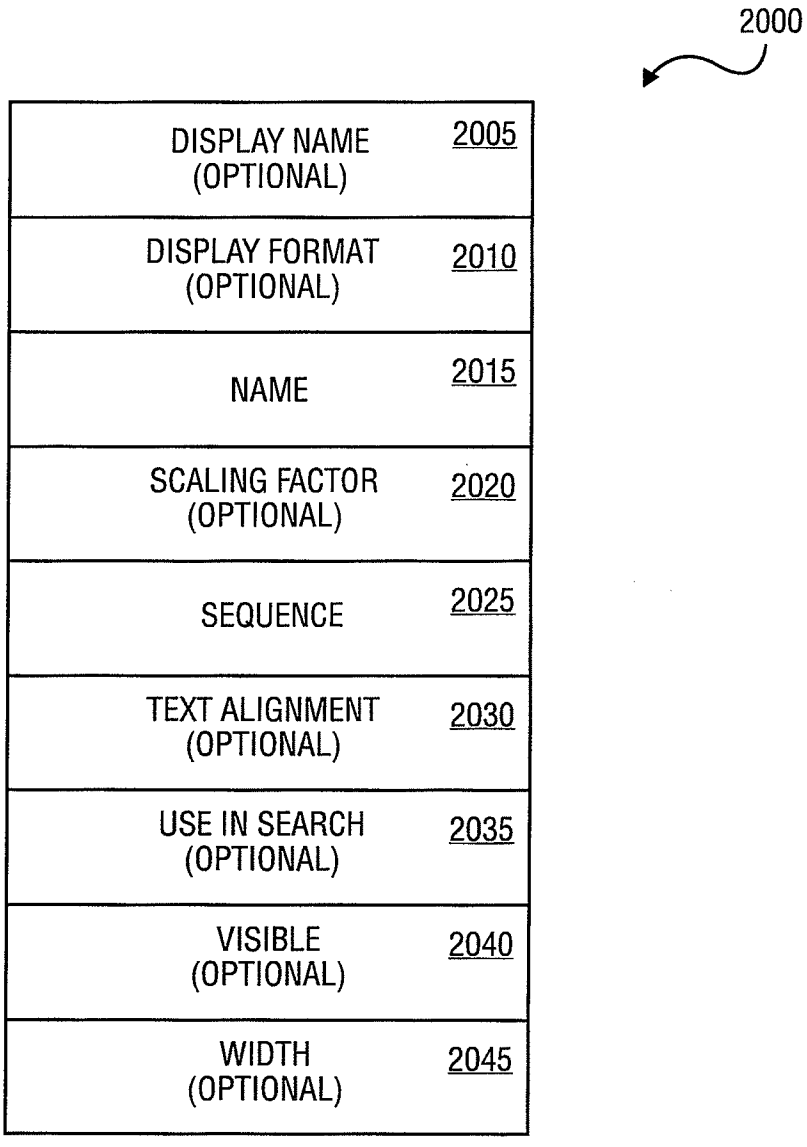

2000
DISPLAY NAME (OPTIONAL) 2005
DISPLAY FORMAT (OPTIONAL) 2010
NAME 2015
SCALING FACTOR (OPTIONAL) 2020
SEQUENCE 2025
TEXT ALIGNMENT (OPTIONAL) 2030
USE IN SEARCH (OPTIONAL) 2035
VISIBLE (OPTIONAL) 2040
WIDTH (OPTIONAL) 2045

FIG. 20

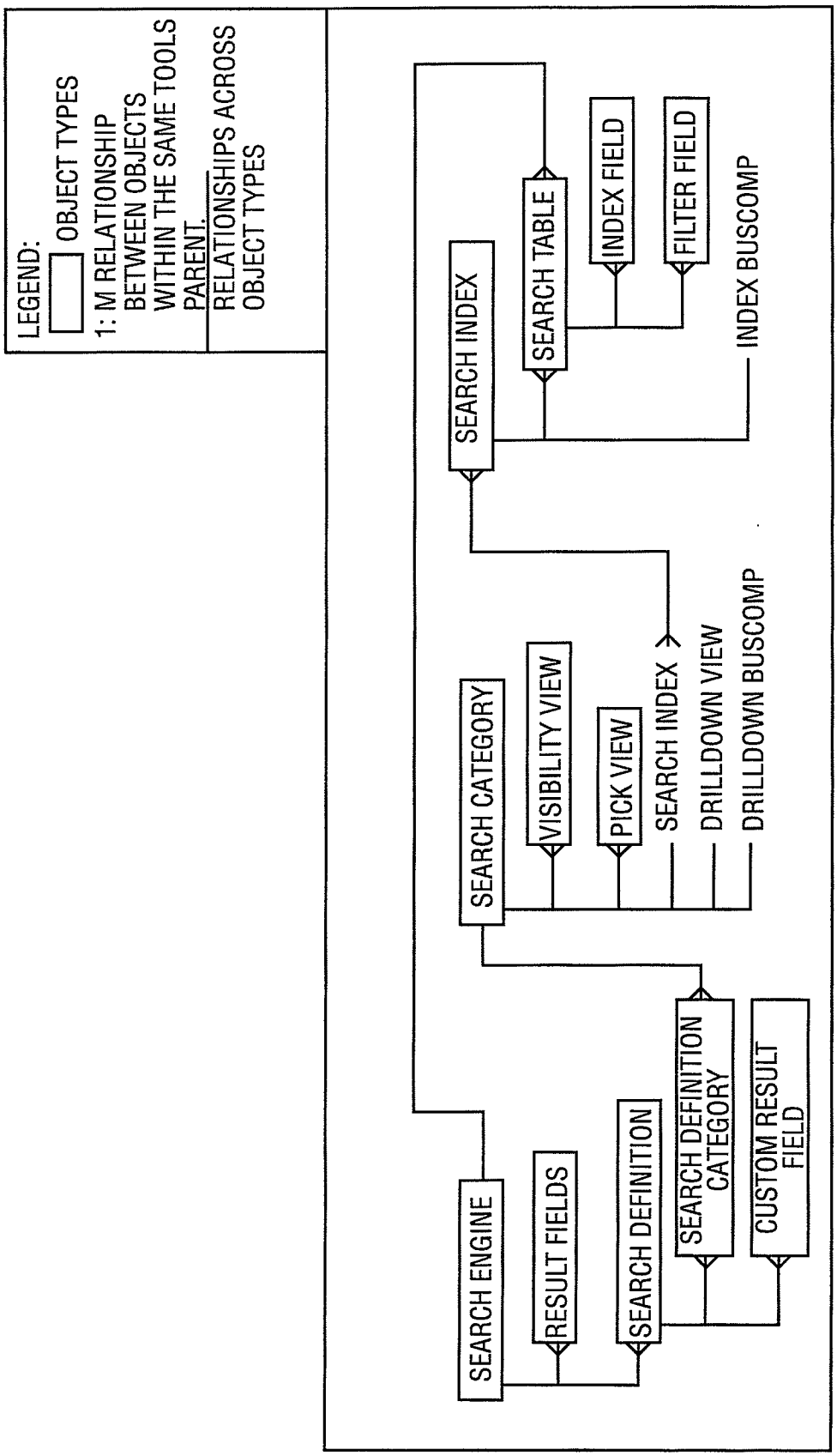

LEGEND:
OBJECT TYPES
1: M RELATIONSHIP BETWEEN OBJECTS WITHIN THE SAME TOOLS PARENT.
RELATIONSHIPS ACROSS OBJECT TYPES
SEARCH INDEX
SEARCH TABLE
INDEX FIELD
FILTER FIELD
INDEX BUSCOMP
SEARCH CATEGORY
VISIBILITY VIEW
PICK VIEW
SEARCH INDEX
DRILLDOWN VIEW
DRILLDOWN BUSCOMP
SEARCH ENGINE
RESULT FIELDS
SEARCH DEFINITION
SEARCH DEFINITION CATEGORY
CUSTOM RESULT FIELD

FIG. 21

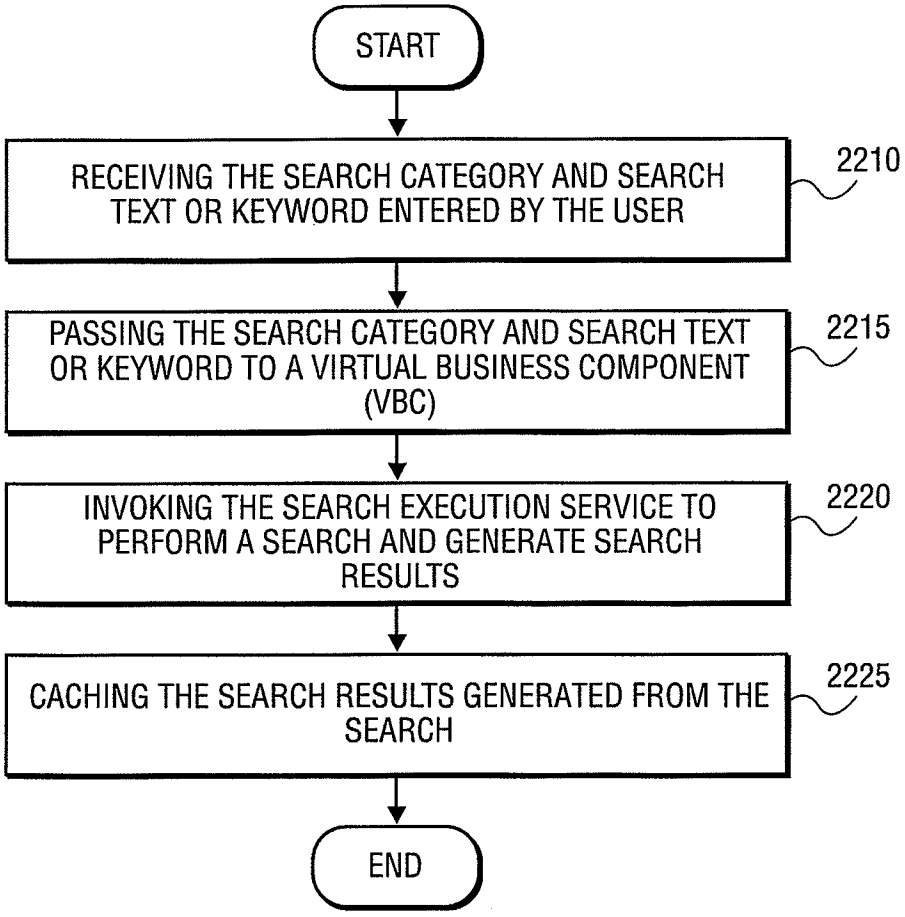

START
RECEIVING THE SEARCH CATEGORY AND SEARCH TEXT OR KEYWORD ENTERED BY THE USER
2210
PASSING THE SEARCH CATEGORY AND SEARCH TEXT OR KEYWORD TO A VIRTUAL BUSINESS COMPONENT (VBC)
2215
INVOKING THE SEARCH EXECUTION SERVICE TO PERFORM A SEARCH AND GENERATE SEARCH RESULTS
2220
CACHING THE SEARCH RESULTS GENERATED FROM THE SEARCH
2225
END

FIG. 22

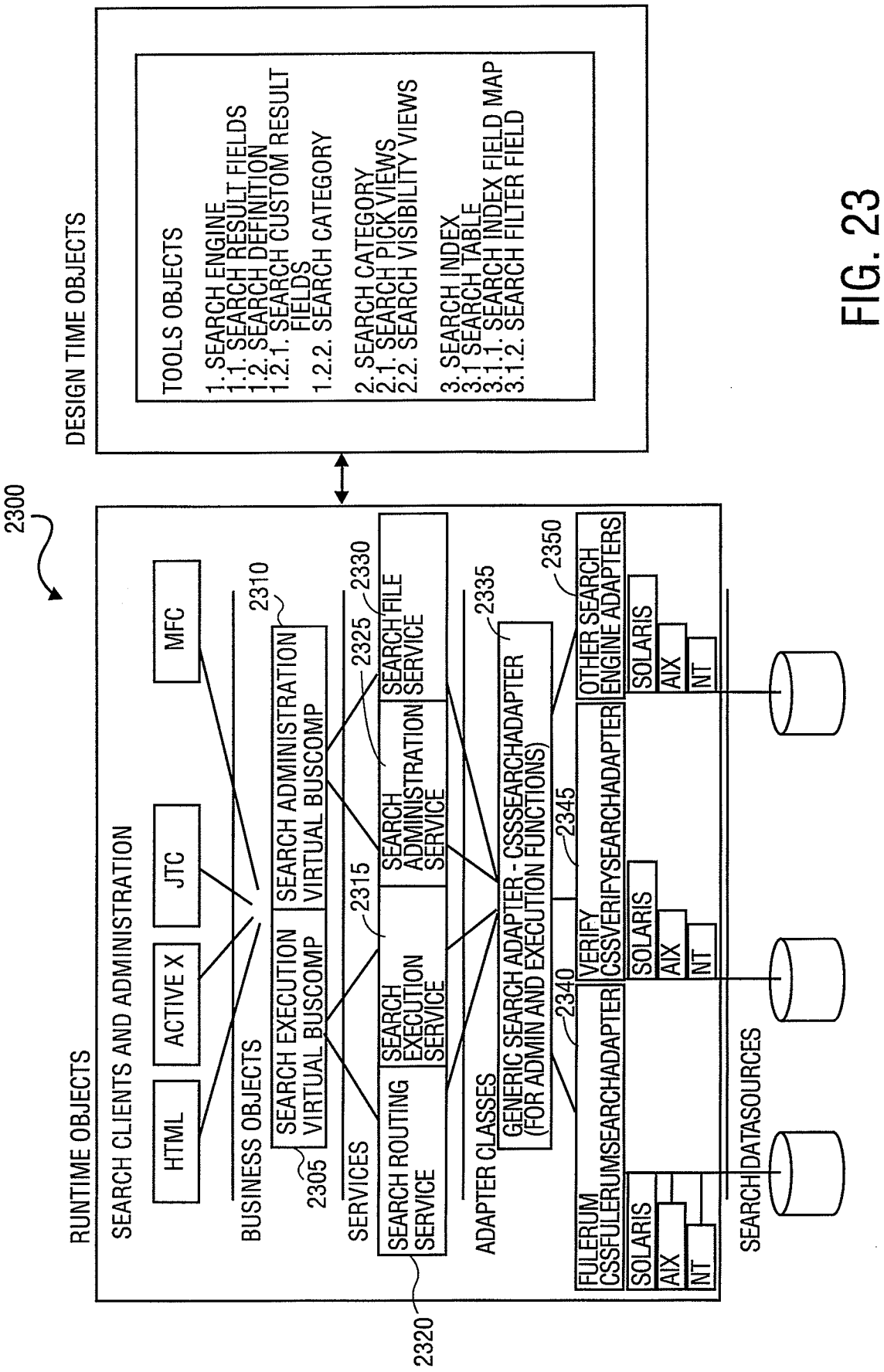

DESIGN TIME OBJECTS
TOOLS OBJECTS
1. SEARCH ENGINE
1.1. SEARCH RESULT FIELDS
1.2. SEARCH DEFINITION
1.2.1. SEARCH CUSTOM RESULT FIELDS
1.2.2. SEARCH CATEGORY
2. SEARCH CATEGORY
2.1. SEARCH PICK VIEWS
2.2. SEARCH VISIBILITY VIEWS
3. SEARCH INDEX
3.1 SEARCH TABLE
3.1.1. SEARCH INDEX FIELD MAP
3.1.2. SEARCH FILTER FIELD
2300
RUNTIME OBJECTS
SEARCH CLIENTS AND ADMINISTRATION
HTML
ACTIVE X
JTC
MFC
BUSINESS OBJECTS
SEARCH EXECUTION VIRTUAL BUSCOMP
SEARCH ADMINISTRATION VIRTUAL BUSCOMP
2305
2310
SERVICES
SEARCH ROUTING SERVICE
SEARCH EXECUTION SERVICE
SEARCH ADMINISTRATION SERVICE
SEARCH FILE SERVICE
2315
2325
2330
2320
ADAPTER CLASSES
GENERIC SEARCH ADAPTER - CSSSEARCHADAPTER (FOR ADMIN AND EXECUTION FUNCTIONS)
2335
2340
2345
2350
FULERUM CSSFULERUMSEARCHADAPTER
VERIFY CSSVERIFYSEARCHADAPTER
OTHER SEARCH ENGINE ADAPTERS
SOLARIS
AIX
NT
SEARCH DATASOURCES

FIG. 23

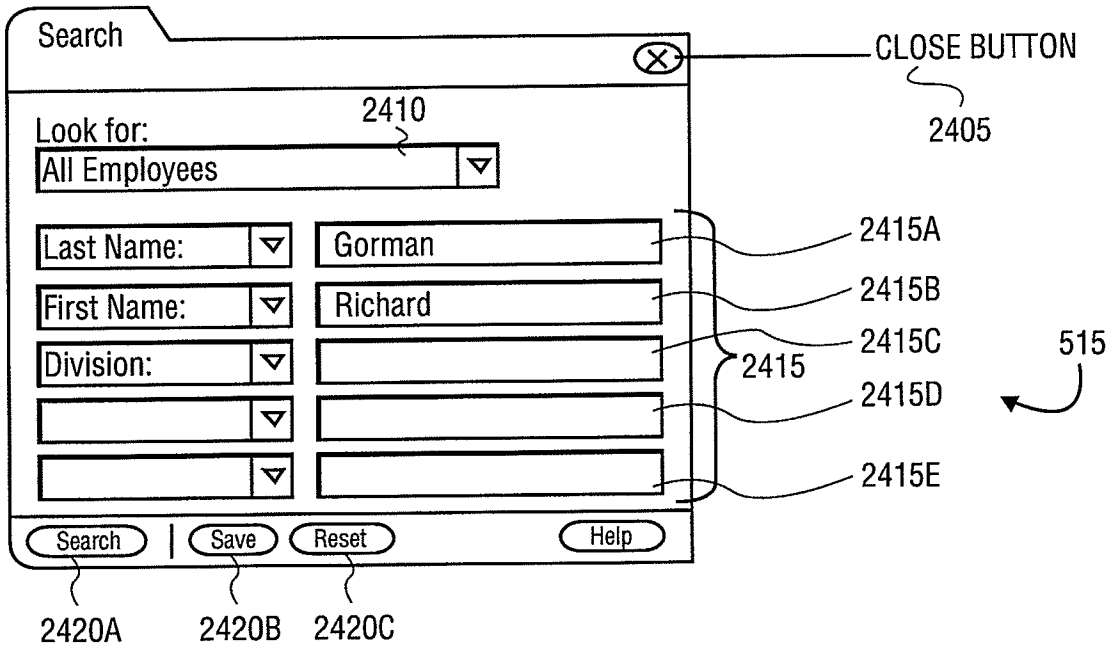

Search
CLOSE BUTTON
2405
2410
Look for:
All Employees
Last Name:
Gorman
First Name:
Richard
Division:
2415A
2415B
2415C
2415D
2415E
2415
515
Search
Save
Reset
Help
2420A
2420B
2420C

FIG. 24

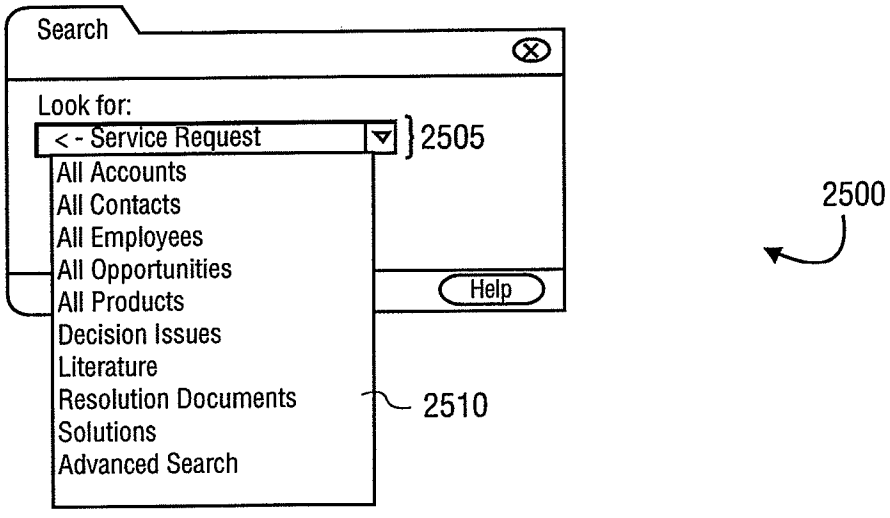

Search
Look for:
< - Service Request
2505
All Accounts
All Contacts
All Employees
All Opportunities
All Products
Decision Issues
Literature
Resolution Documents
Solutions
Advanced Search
2510
Help
2500

FIG. 25

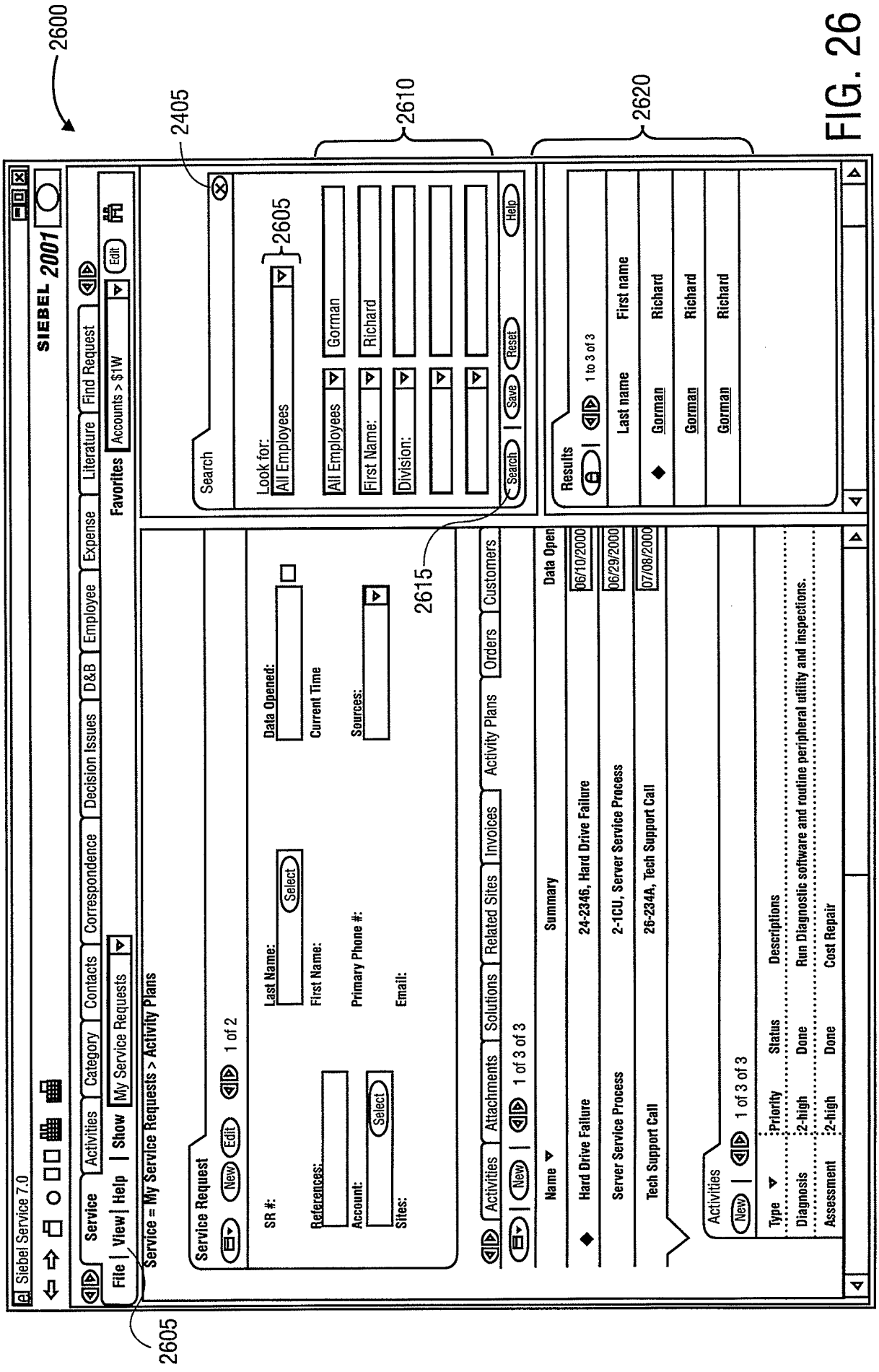

2600
2405
2610
2620
2605
2615
Siebel Service 7.0
SIEBEL 2001
Service
Activities
Category
Contacts
Correspondence
Decision Issues
D&B
Employee
Expense
Literature
Find Request
File | View | Help | Show
My Service Requests
Favorites
Accounts > $1W
Edit
Service = My Service Requests > Activity Plans
Service Request
New
Edit
1 of 2
SR #:
Last Name:
Select
First Name:
References:
Account:
Primary Phone #:
Sites:
Email:
Data Opened:
Current Time
Sources:
Activities
Attachments
Solutions
Related Sites
Invoices
Activity Plans
Orders
Customers
1 of 3 of 3
Name
Summary
Data Open
Hard Drive Failure
24-2346, Hard Drive Failure
06/10/2000
Server Service Process
2-1CU, Server Service Process
06/29/2000
Tech Support Call
26-234A, Tech Support Call
07/08/2000
Activities
New
1 of 3 of 3
Type
Priority
Status
Descriptions
Diagnosis
2-high
Done
Run Diagnostic software and routine peripheral utility and inspections.
Assessment
2-high
Done
Cost Repair
Search
Look for:
All Employees
All Employees
First Name:
Division:
Gorman
Richard
Search
Save
Reset
Help
Results
1 to 3 of 3
Last name
First name
Gorman
Richard
Gorman
Richard
Gorman
Richard

FIG. 26

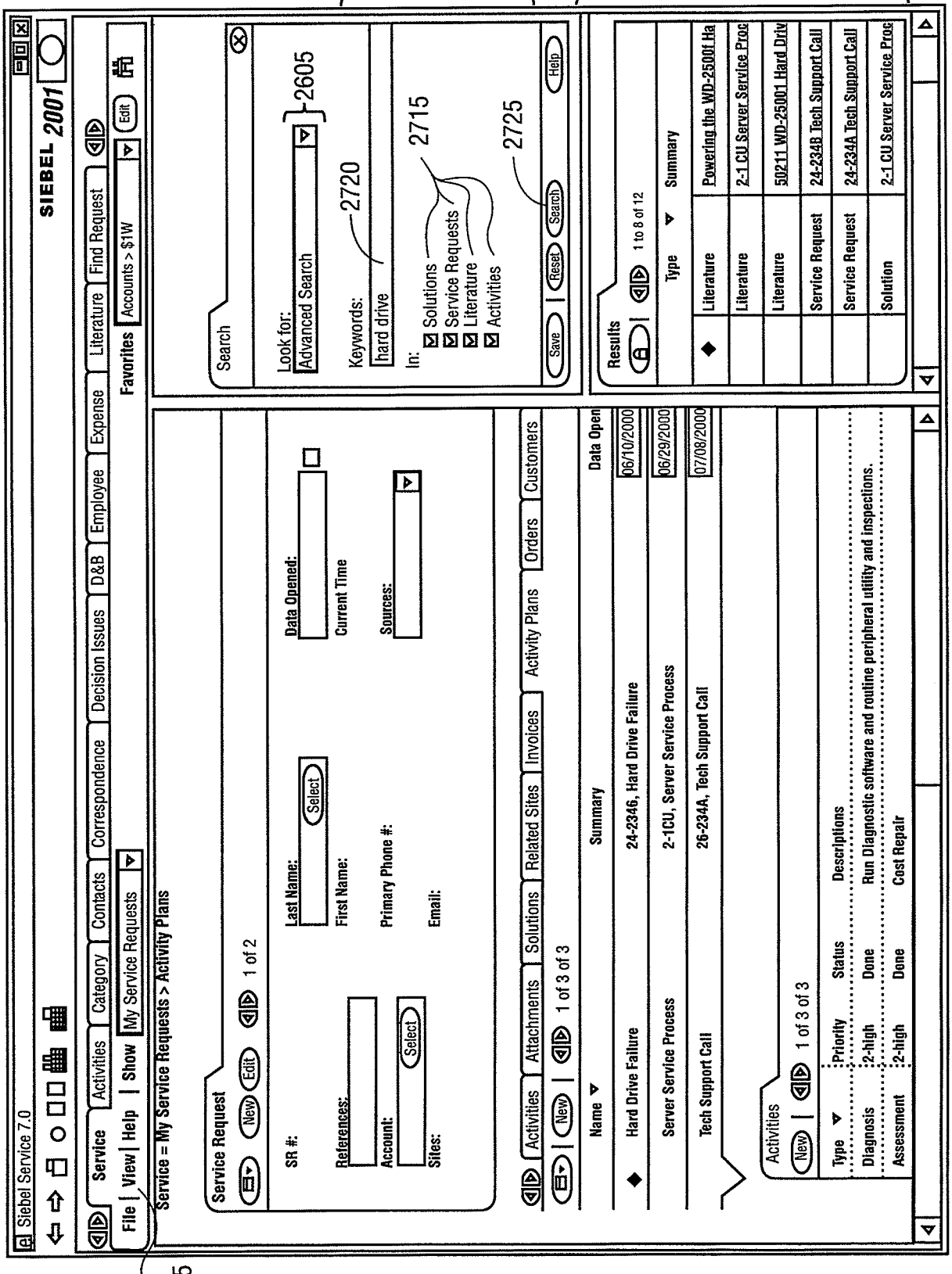

2625
Siebel Service 7.0
SIEBEL 2001
Service
Activities
Category
Contacts
Correspondence
Decision Issues
D&B
Employee
Expense
Literature
Find Request
File | View | Help | Show
My Service Requests
Favorites
Accounts > $1W
Edit
Service = My Service Requests > Activity Plans
Service Request
New
Edit
1 of 2
SR #:
Last Name:
Select
Data Opened:
Current Time
First Name:
References:
Account:
Select
Primary Phone #:
Sources:
Sites:
Email:
Activities
Attachments
Solutions
Related Sites
Invoices
Activity Plans
Orders
Customers
New
1 of 3 of 3
Name
Summary
Data Open
Hard Drive Failure
24-2346, Hard Drive Failure
06/10/2000
Server Service Process
2-1CU, Server Service Process
06/29/2000
Tech Support Call
26-234A, Tech Support Call
07/08/2000
Activities
New
1 of 3 of 3
Type
Priority
Status
Descriptions
Diagnosis
2-high
Done
Run Diagnostic software and routine peripheral utility and inspections.
Assessment
2-high
Done
Cost Repair
Search
Look for:
Advanced Search
2605
Keywords:
2720
hard drive
In:
2715
Solutions
Service Requests
Literature
Activities
2725
Save
Reset
Search
Help
2710
Results
1 to 8 of 12
Type
Summary
Literature
Powering the WD-2500f Ha
Literature
2-1 CU Server Service Proc
Literature
50211 WD-25001 Hard Driv
Service Request
24-234B Tech Support Call
Service Request
24-234A Tech Support Call
Solution
2-1 CU Server Service Proc
2730

FIG. 27

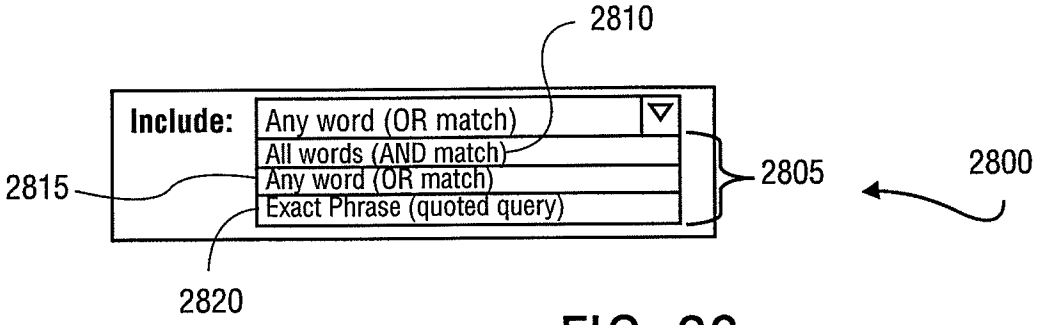

2810
Include:
Any word (OR match)
All words (AND match)
Any word (OR match)
Exact Phrase (quoted query)
2805
2800
2815
2820

FIG. 28

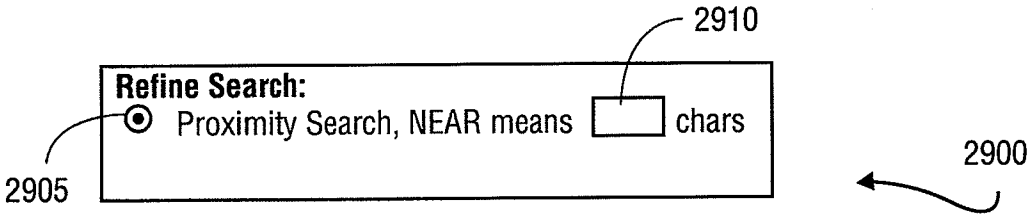

2910
Refine Search:
Proximity Search, NEAR means
chars
2900
2905

FIG. 29

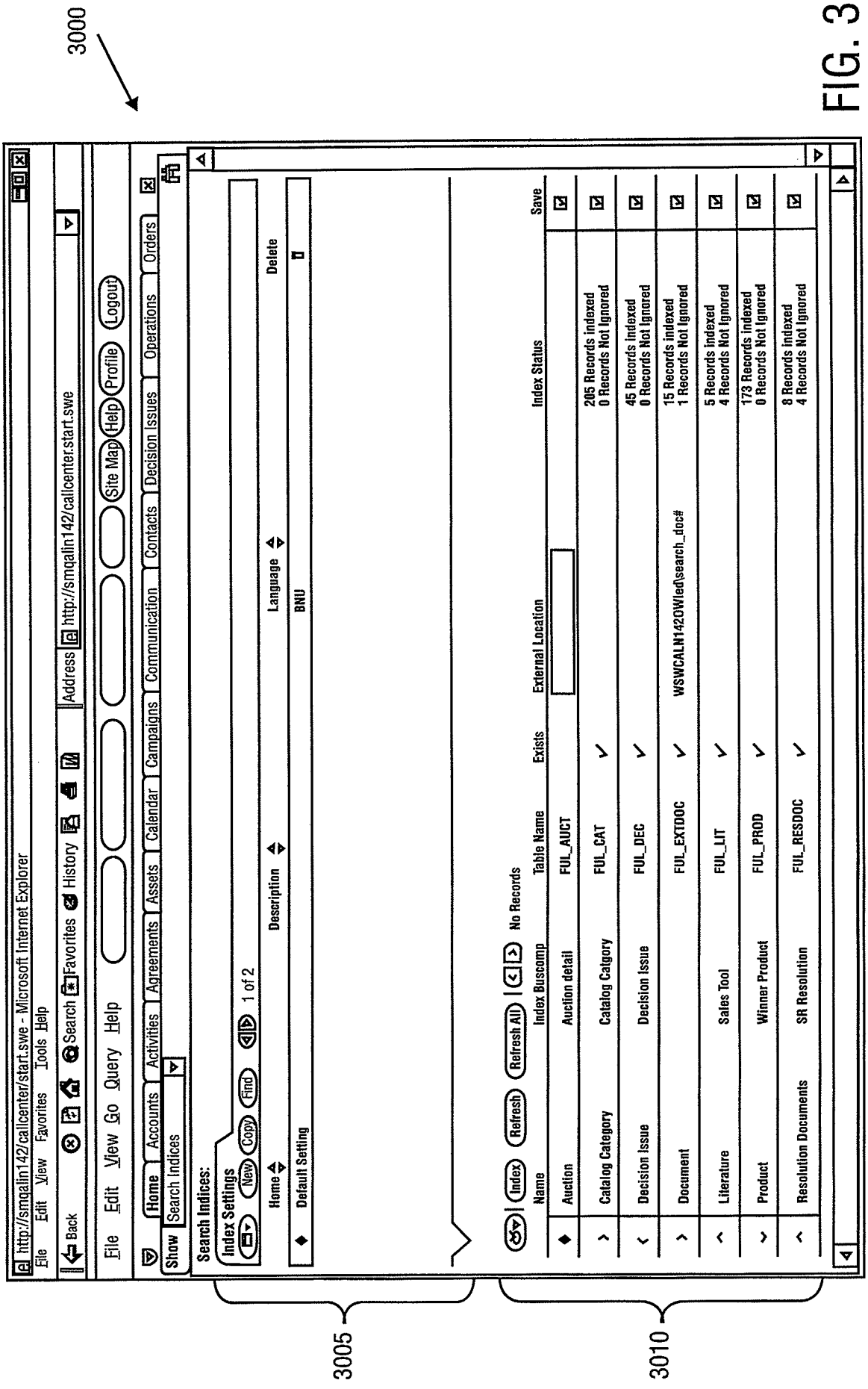

3000
3005
3010
http://smqalin142/callcenter/start.swe - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History Address http://smqalin142/callcenter.start.swe
File Edit View Go Query Help
Site Map Help Profile Logout
Home Accounts Activities Agreements Assets Calendar Campaigns Communication Contacts Decision Issues Operations Orders
Show Search Indices
Search Indices:
Index Settings
New Copy Find 1 of 2
Home Description Language Delete
Default Setting BNU
Index Refresh Refresh All No Records
Name Index Buscomp Table Name Exists External Location Index Status Save
Auction Auction detail FUL_AUCT
Catalog Category Catalog Category FUL_CAT 205 Records indexed 0 Records Not Ignored
Decision Issue Decision Issue FUL_DEC 45 Records indexed 0 Records Not Ignored
Document FUL_EXTDOC WSWCALN142OWIed\search_doc# 15 Records indexed 1 Records Not Ignored
Literature Sales Tool FUL_LIT 5 Records indexed 4 Records Not Ignored
Product Winner Product FUL_PROD 173 Records indexed 0 Records Not Ignored
Resolution Documents SR Resolution FUL_RESDOC 8 Records indexed 4 Records Not Ignored

FIG. 30

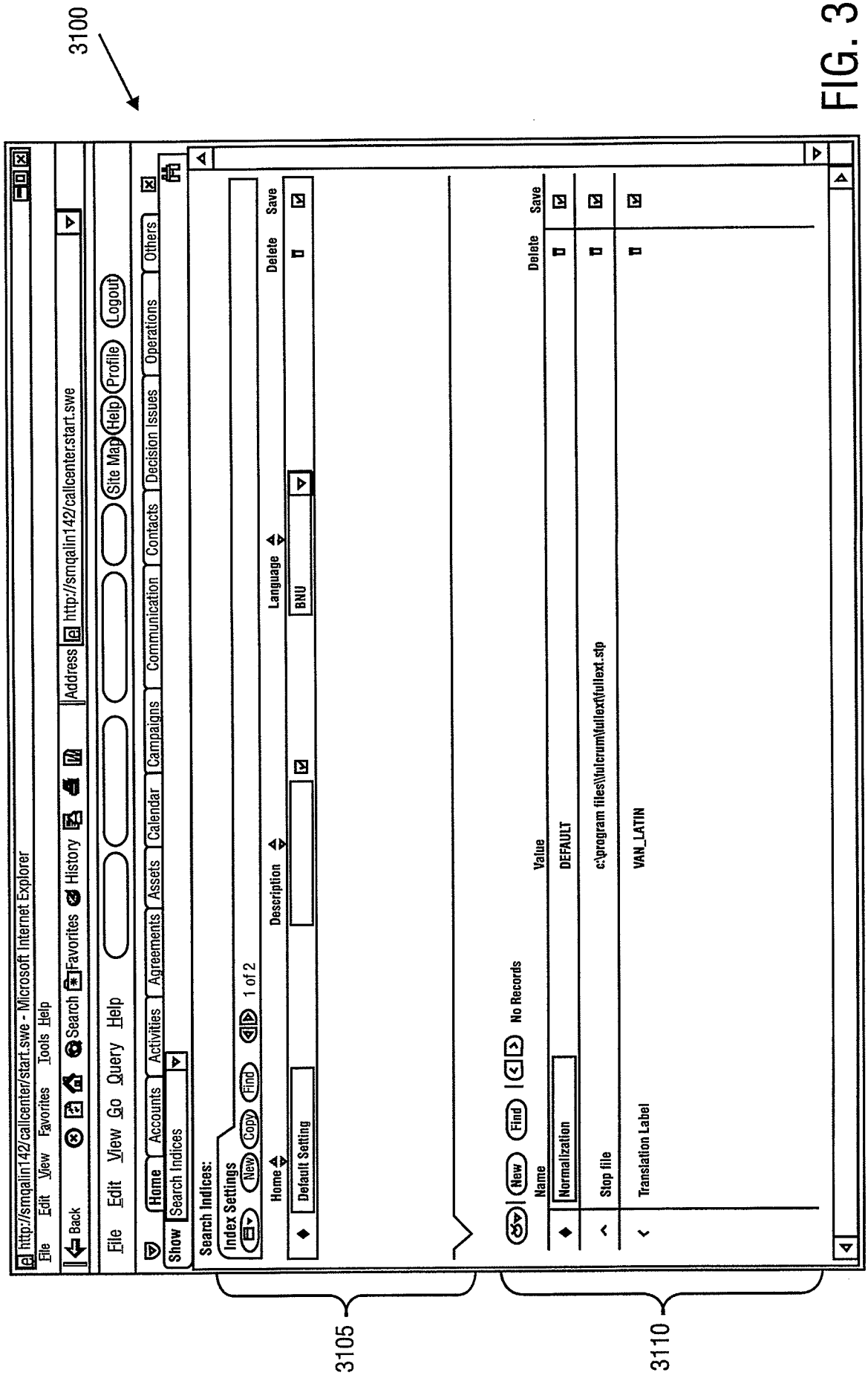

3100
3105
3110
http://smqalin142/callcenter/start.swe - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History Address http://smqalin142/callcenter.start.swe
File Edit View Go Query Help
Site Map Help Profile Logout
Home Accounts Activities Agreements Assets Calendar Campaigns Communication Contacts Decision Issues Operations Others
Show Search Indices
Search Indices:
Index Settings
New Copy Find 1 of 2
Home Description Language Delete Save
Default Setting BNU
New Find No Records
Name Value Delete Save
Normalization DEFAULT
Stop file c:\program files\\tulcrum\tullext\tullext.stp
Translation Label VAN_LATIN

FIG. 31

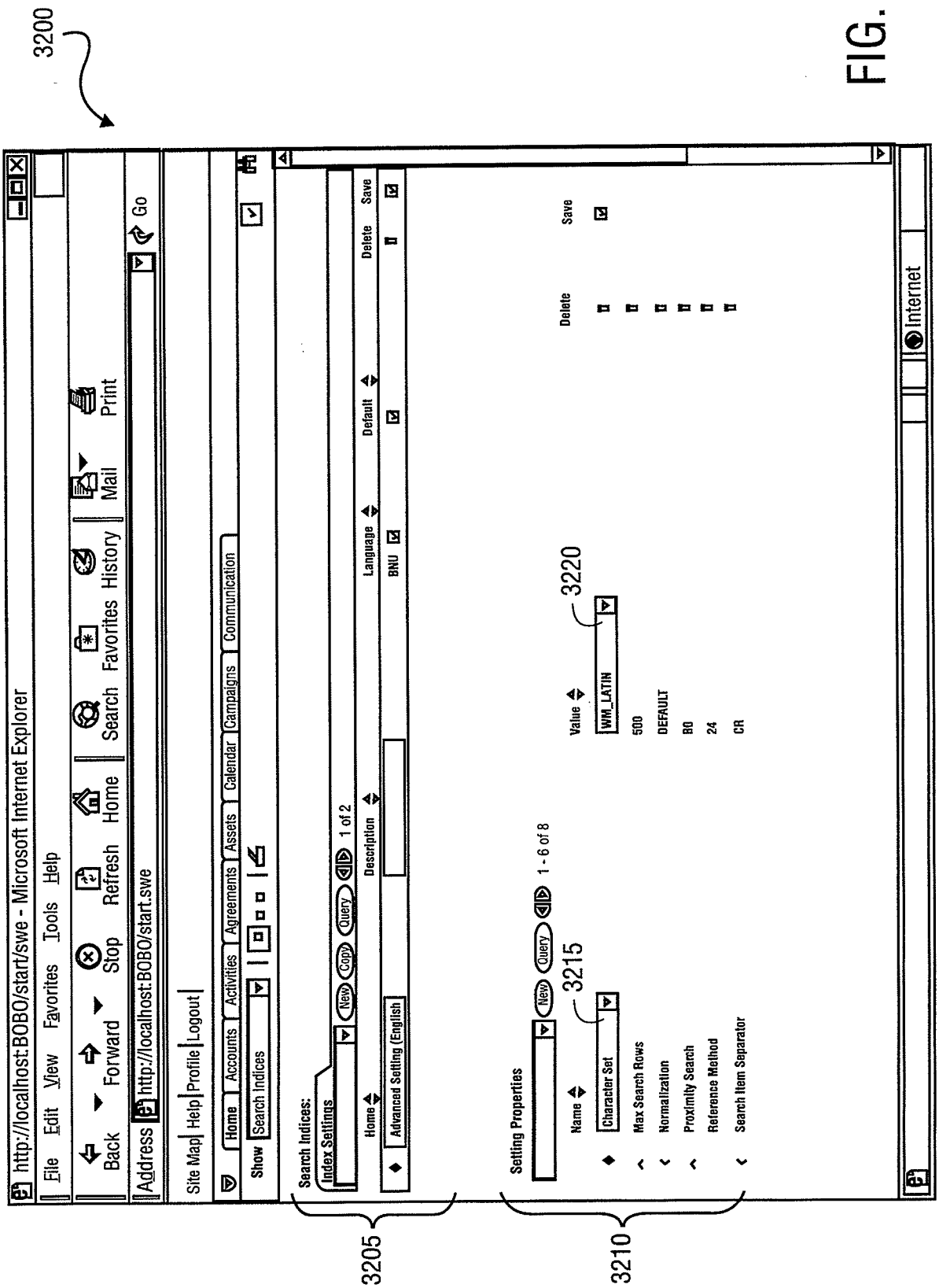

3200
http://localhost:BOBO/start/swe - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address http://localhost:BOBO/start.swe
Go
Site Map | Help | Profile | Logout
Home Accounts Activities Agreements Assets Calendar Campaigns Communication
Show Search Indices
Search Indices:
Index Settings
New Copy Query 1 of 2
Home Description Language Default Delete Save
Advanced Setting (English) BNU
Setting Properties
New Query 1 - 6 of 8
Name Value
Character Set WM_LATIN
Max Search Rows 500
Normalization DEFAULT
Proximity Search 80
Reference Method 24
Search Item Separator CR
Delete Save
3205
3210
3215
3220
Internet

FIG. 32

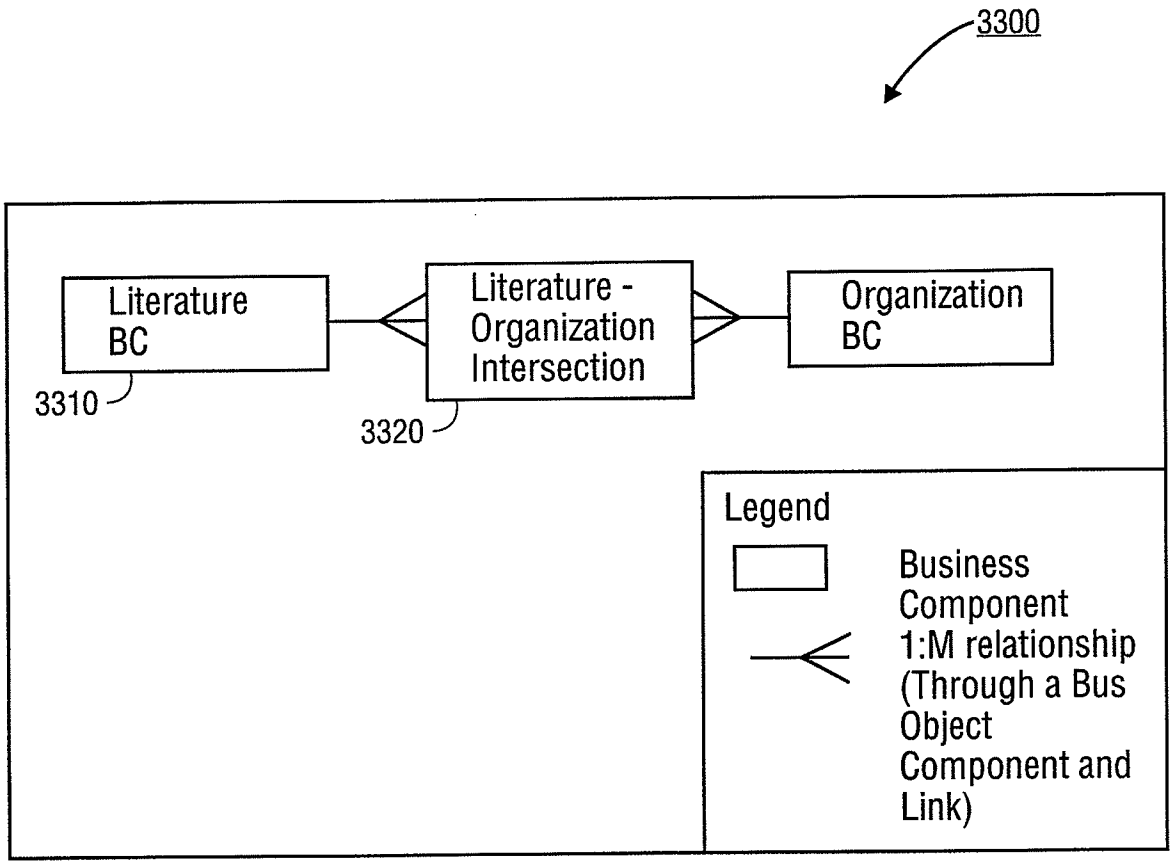

3300
Literature BC
3310
Literature - Organization Intersection
3320
Organization BC
Legend
Business Component
1:M relationship (Through a Bus Object Component and Link)

FIG. 33

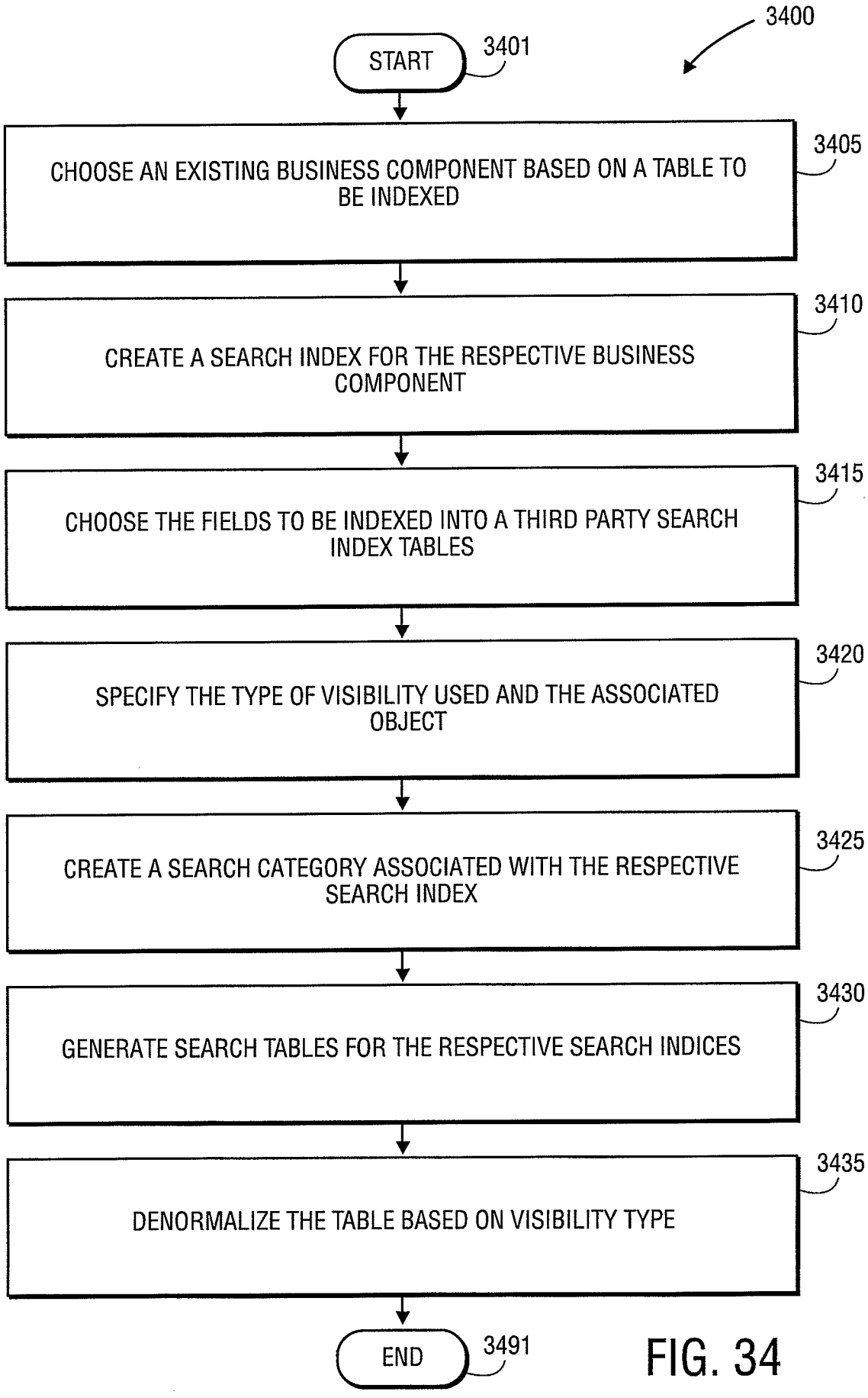

3400
START
3401
CHOOSE AN EXISTING BUSINESS COMPONENT BASED ON A TABLE TO BE INDEXED
3405
CREATE A SEARCH INDEX FOR THE RESPECTIVE BUSINESS COMPONENT
3410
CHOOSE THE FIELDS TO BE INDEXED INTO A THIRD PARTY SEARCH INDEX TABLES
3415
SPECIFY THE TYPE OF VISIBILITY USED AND THE ASSOCIATED OBJECT
3420
CREATE A SEARCH CATEGORY ASSOCIATED WITH THE RESPECTIVE SEARCH INDEX
3425
GENERATE SEARCH TABLES FOR THE RESPECTIVE SEARCH INDICES
3430
DENORMALIZE THE TABLE BASED ON VISIBILITY TYPE
3435
END
3491

FIG. 34

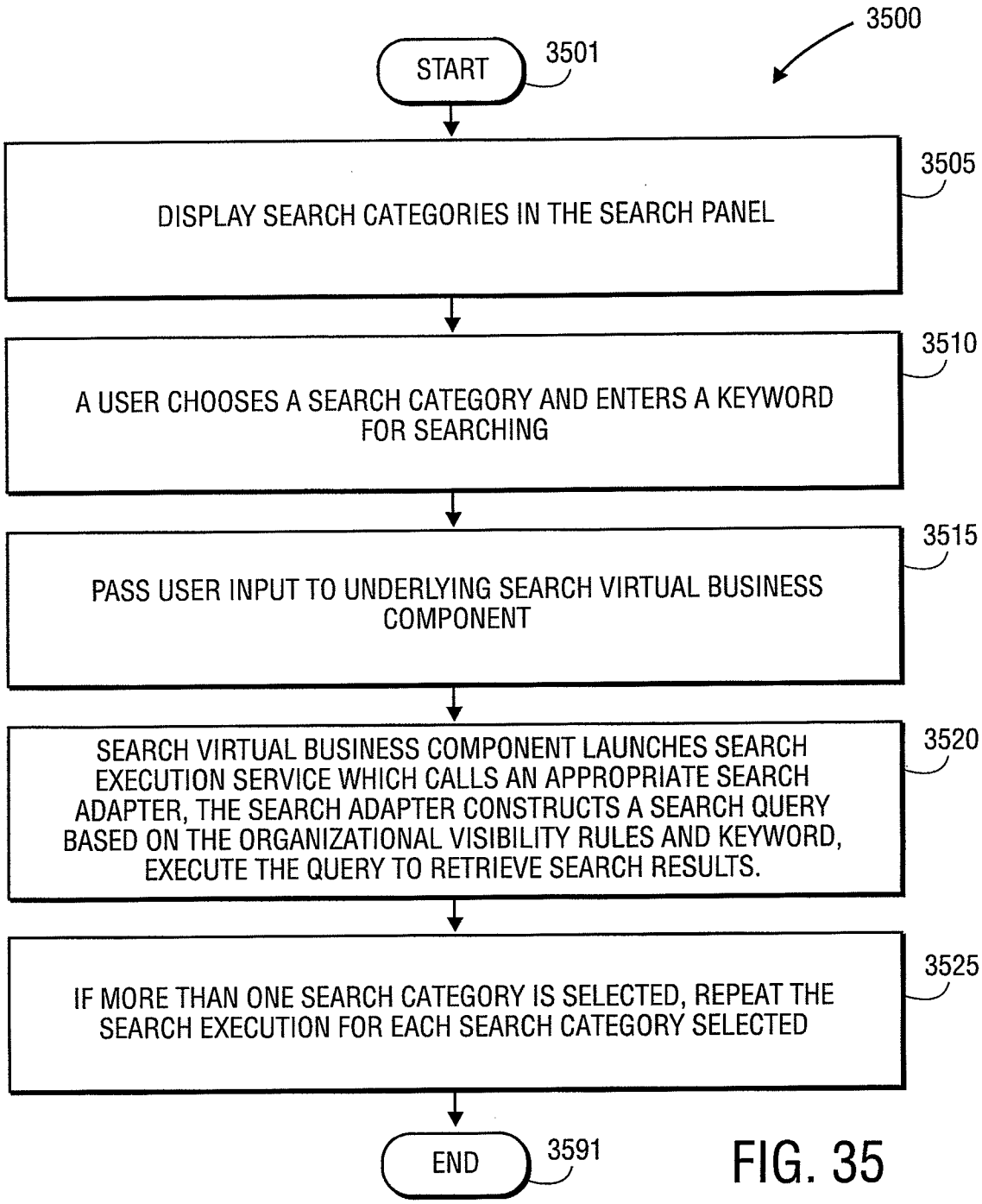

3500
START
3501
DISPLAY SEARCH CATEGORIES IN THE SEARCH PANEL
3505
A USER CHOOSES A SEARCH CATEGORY AND ENTERS A KEYWORD FOR SEARCHING
3510
PASS USER INPUT TO UNDERLYING SEARCH VIRTUAL BUSINESS COMPONENT
3515
SEARCH VIRTUAL BUSINESS COMPONENT LAUNCHES SEARCH EXECUTION SERVICE WHICH CALLS AN APPROPRIATE SEARCH ADAPTER, THE SEARCH ADAPTER CONSTRUCTS A SEARCH QUERY BASED ON THE ORGANIZATIONAL VISIBILITY RULES AND KEYWORD, EXECUTE THE QUERY TO RETRIEVE SEARCH RESULTS.
3520
IF MORE THAN ONE SEARCH CATEGORY IS SELECTED, REPEAT THE SEARCH EXECUTION FOR EACH SEARCH CATEGORY SELECTED
3525
END
3591

FIG. 35

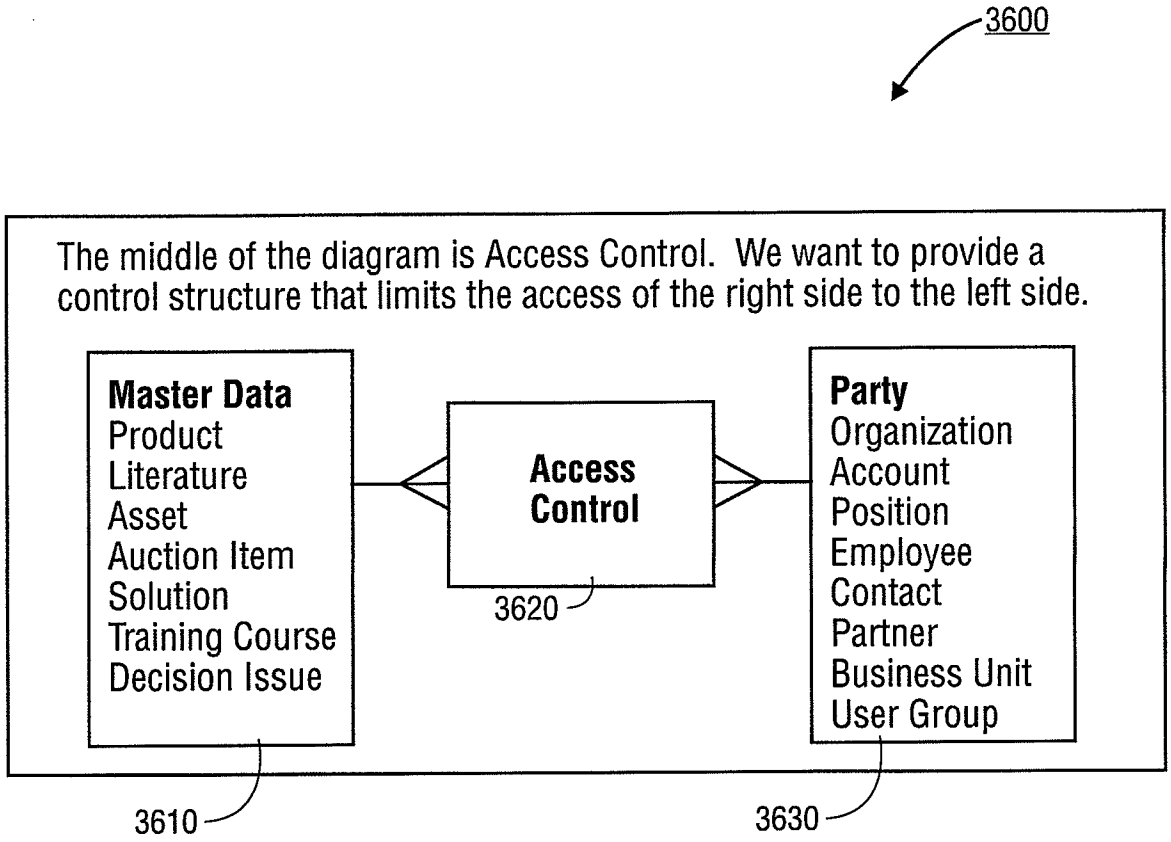

3600
The middle of the diagram is Access Control. We want to provide a control structure that limits the access of the right side to the left side.
Master Data
Product
Literature
Asset
Auction Item
Solution
Training Course
Decision Issue
Access Control
3620
Party
Organization
Account
Position
Employee
Contact
Partner
Business Unit
User Group
3610
3630

FIG. 36

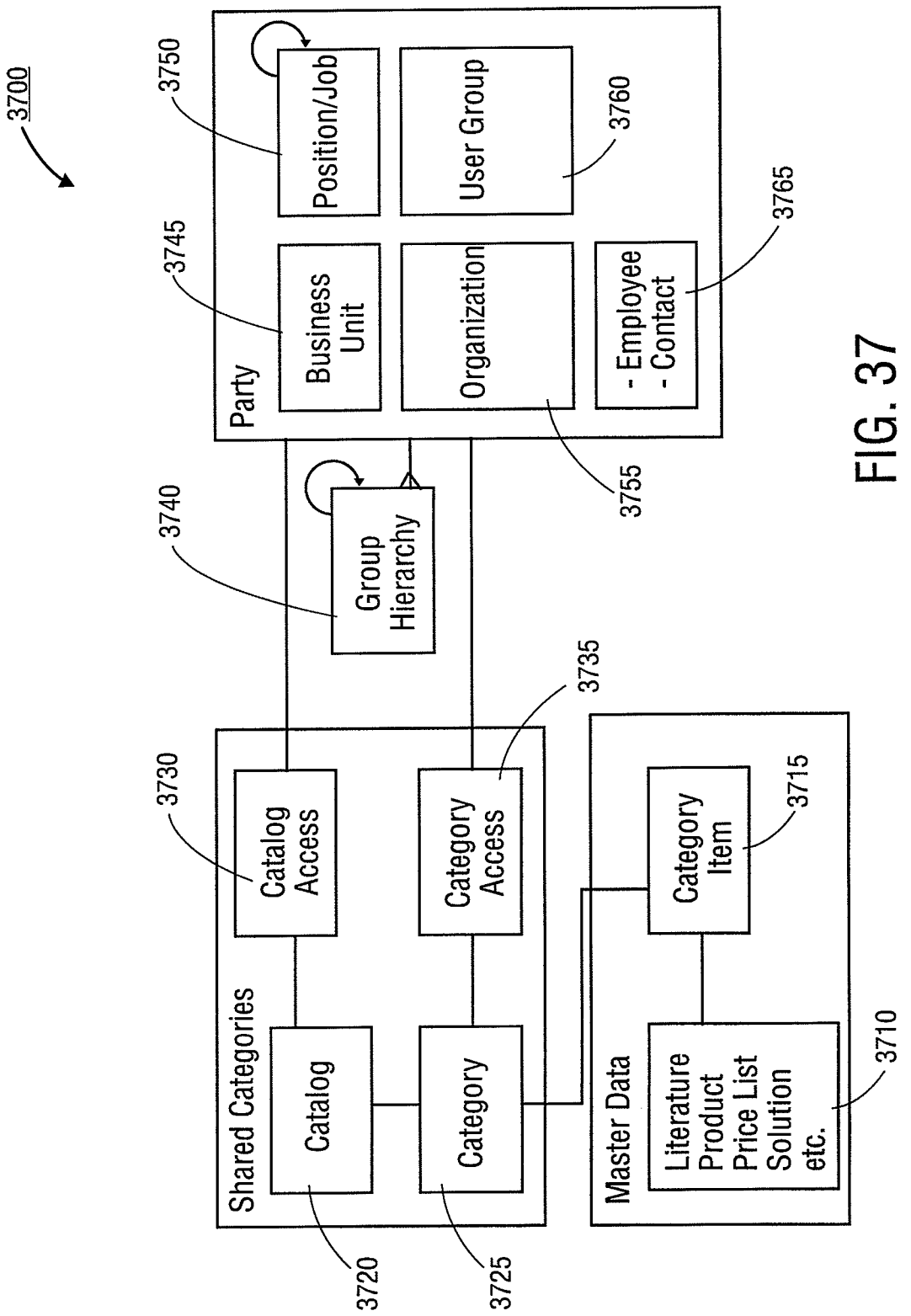

3700
3750
Position/Job
User Group
3760
3745
Business Unit
Organization
- Employee - Contact
3765
Party
3740
Group Hierarchy
3755
3735
3730
Catalog Access
Category Access
Category Item
3715
Shared Categories
Catalog
Category
Master Data
Literature Product Price List Solution etc.
3710
3720
3725

FIG. 37

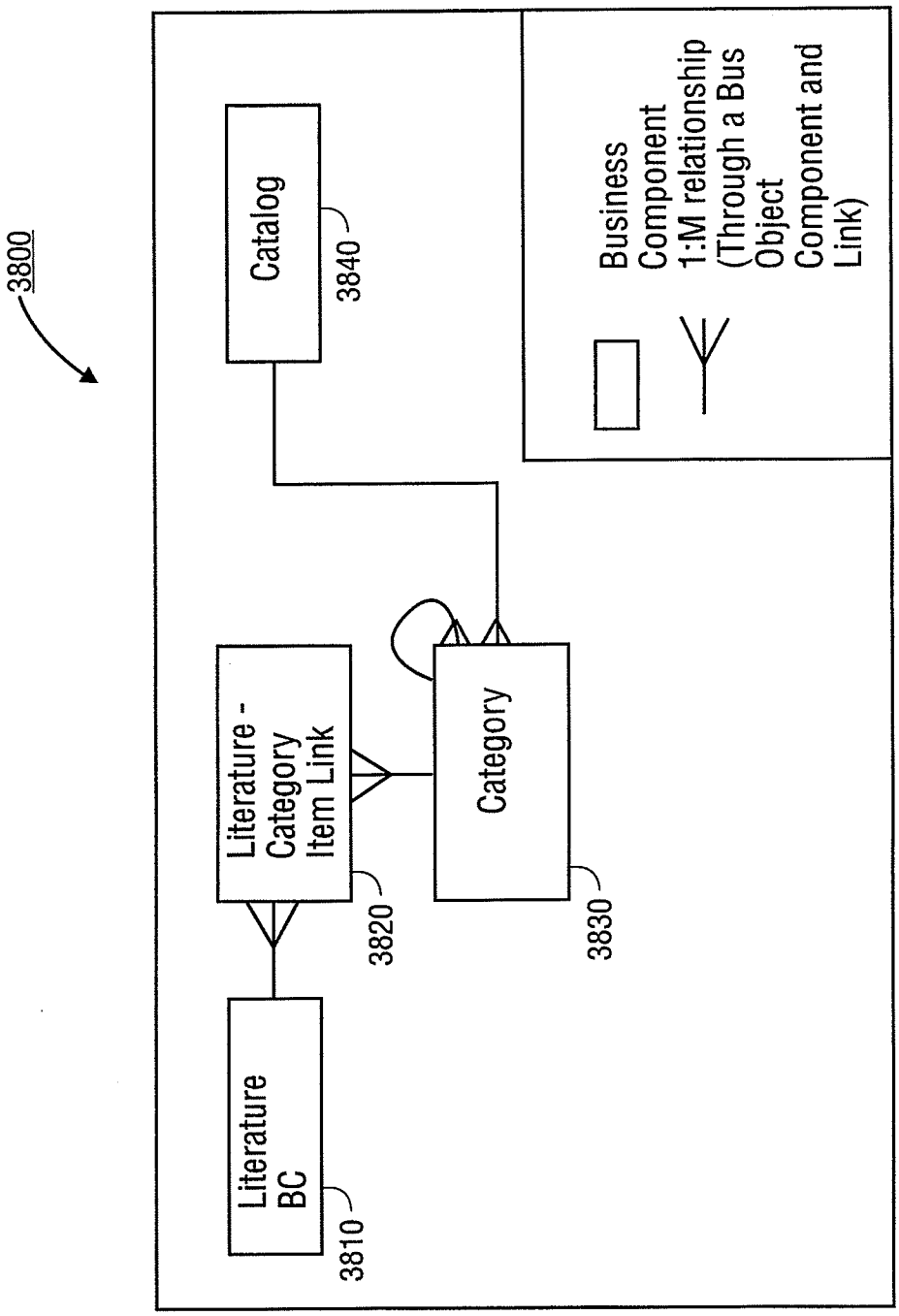

3800
Catalog
3840
Business Component 1:M relationship (Through a Bus Object Component and Link)
Literature - Category Item Link
3820
Category
3830
Literature BC
3810

FIG. 38

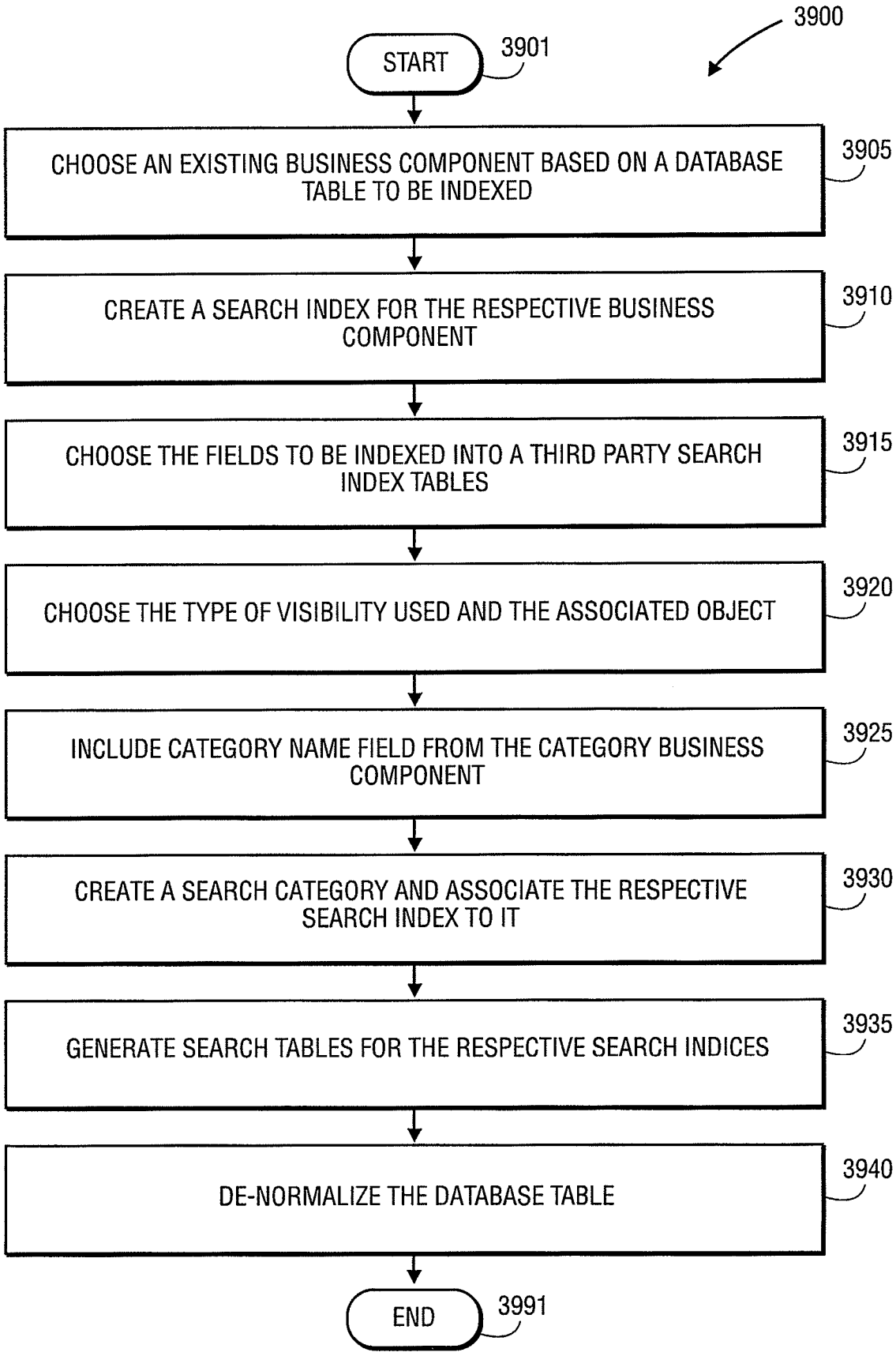

3900
START
3901
CHOOSE AN EXISTING BUSINESS COMPONENT BASED ON A DATABASE TABLE TO BE INDEXED
3905
CREATE A SEARCH INDEX FOR THE RESPECTIVE BUSINESS COMPONENT
3910
CHOOSE THE FIELDS TO BE INDEXED INTO A THIRD PARTY SEARCH INDEX TABLES
3915
CHOOSE THE TYPE OF VISIBILITY USED AND THE ASSOCIATED OBJECT
3920
INCLUDE CATEGORY NAME FIELD FROM THE CATEGORY BUSINESS COMPONENT
3925
CREATE A SEARCH CATEGORY AND ASSOCIATE THE RESPECTIVE SEARCH INDEX TO IT
3930
GENERATE SEARCH TABLES FOR THE RESPECTIVE SEARCH INDICES
3935
DE-NORMALIZE THE DATABASE TABLE
3940
END
3991

FIG. 39

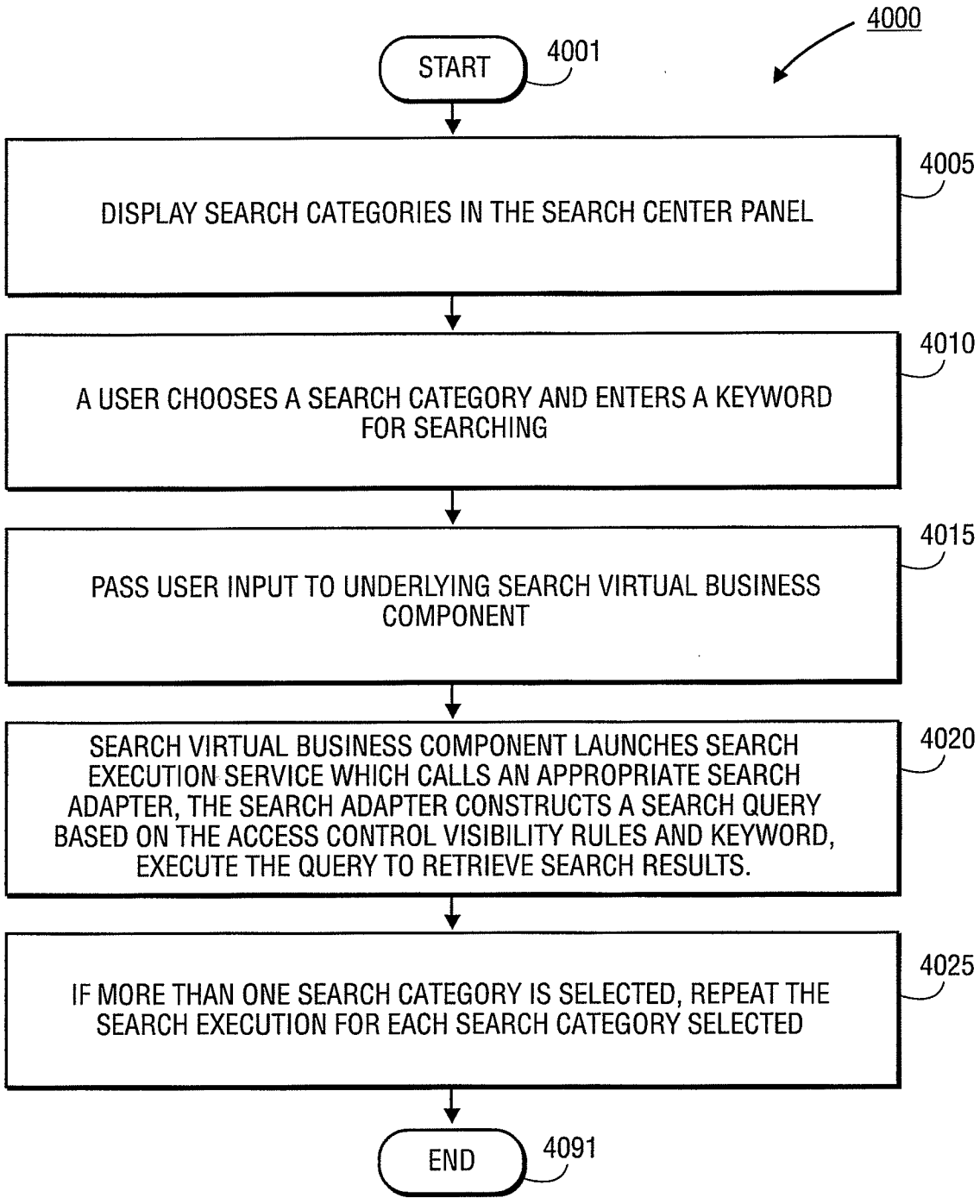

4000
START
4001
DISPLAY SEARCH CATEGORIES IN THE SEARCH CENTER PANEL
4005
A USER CHOOSES A SEARCH CATEGORY AND ENTERS A KEYWORD FOR SEARCHING
4010
PASS USER INPUT TO UNDERLYING SEARCH VIRTUAL BUSINESS COMPONENT
4015
SEARCH VIRTUAL BUSINESS COMPONENT LAUNCHES SEARCH EXECUTION SERVICE WHICH CALLS AN APPROPRIATE SEARCH ADAPTER, THE SEARCH ADAPTER CONSTRUCTS A SEARCH QUERY BASED ON THE ACCESS CONTROL VISIBILITY RULES AND KEYWORD, EXECUTE THE QUERY TO RETRIEVE SEARCH RESULTS.
4020
IF MORE THAN ONE SEARCH CATEGORY IS SELECTED, REPEAT THE SEARCH EXECUTION FOR EACH SEARCH CATEGORY SELECTED
4025
END
4091

FIG. 40

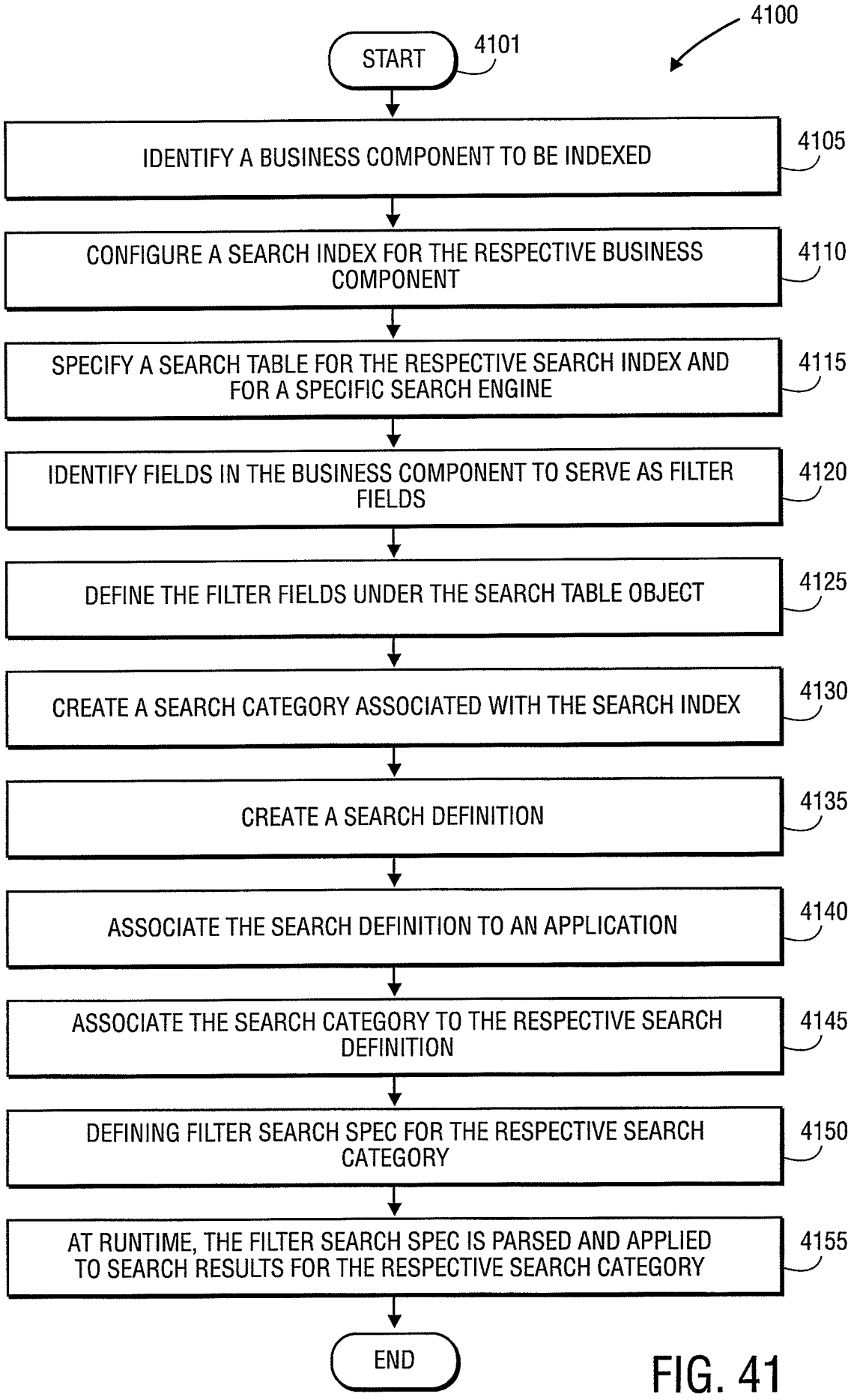

4100
START
4101
IDENTIFY A BUSINESS COMPONENT TO BE INDEXED
4105
CONFIGURE A SEARCH INDEX FOR THE RESPECTIVE BUSINESS COMPONENT
4110
SPECIFY A SEARCH TABLE FOR THE RESPECTIVE SEARCH INDEX AND FOR A SPECIFIC SEARCH ENGINE
4115
IDENTIFY FIELDS IN THE BUSINESS COMPONENT TO SERVE AS FILTER FIELDS
4120
DEFINE THE FILTER FIELDS UNDER THE SEARCH TABLE OBJECT
4125
CREATE A SEARCH CATEGORY ASSOCIATED WITH THE SEARCH INDEX
4130
CREATE A SEARCH DEFINITION
4135
ASSOCIATE THE SEARCH DEFINITION TO AN APPLICATION
4140
ASSOCIATE THE SEARCH CATEGORY TO THE RESPECTIVE SEARCH DEFINITION
4145
DEFINING FILTER SEARCH SPEC FOR THE RESPECTIVE SEARCH CATEGORY
4150
AT RUNTIME, THE FILTER SEARCH SPEC IS PARSED AND APPLIED TO SEARCH RESULTS FOR THE RESPECTIVE SEARCH CATEGORY
4155
END

FIG. 41

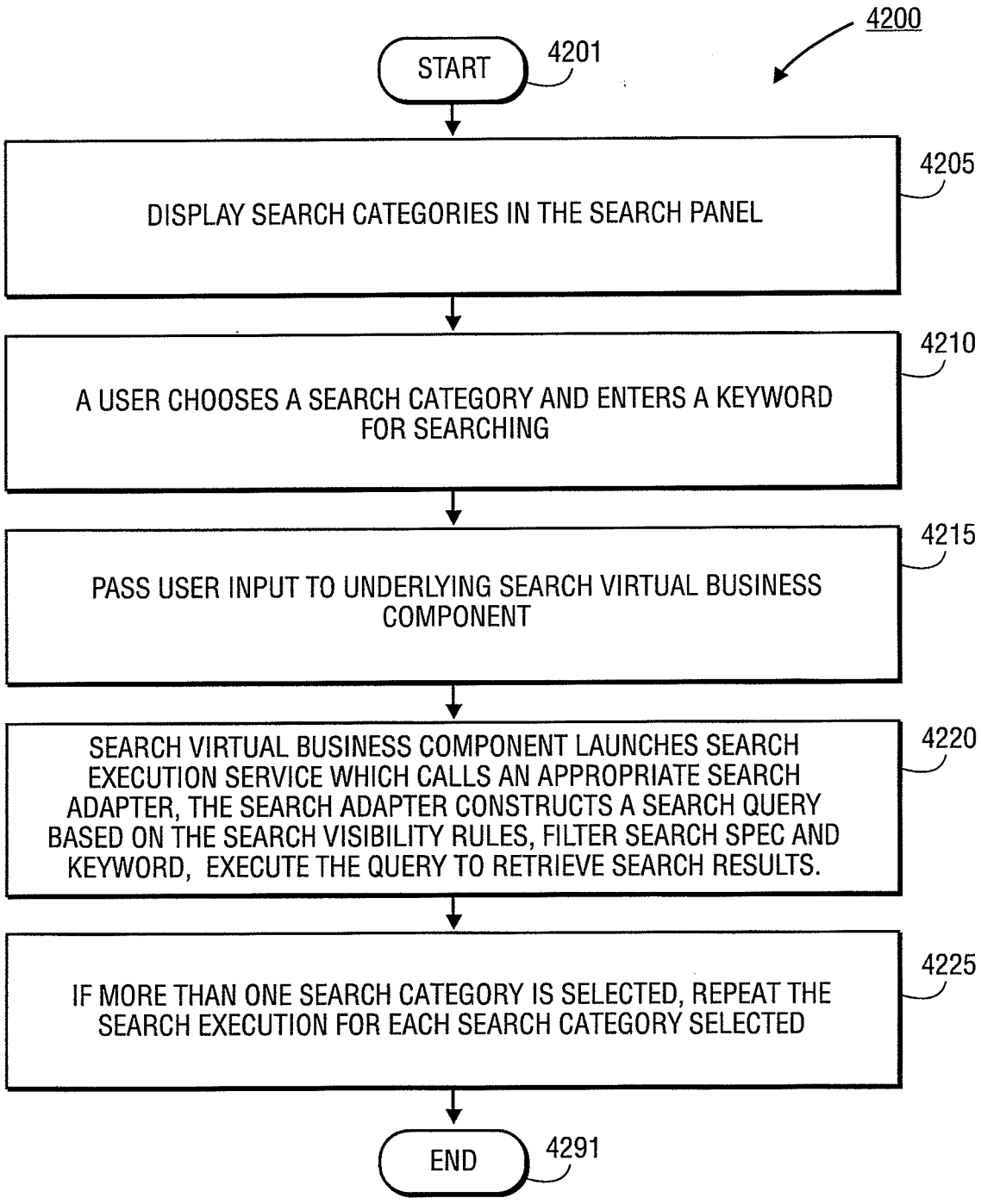

4200
START
4201
DISPLAY SEARCH CATEGORIES IN THE SEARCH PANEL
4205
A USER CHOOSES A SEARCH CATEGORY AND ENTERS A KEYWORD FOR SEARCHING
4210
PASS USER INPUT TO UNDERLYING SEARCH VIRTUAL BUSINESS COMPONENT
4215
SEARCH VIRTUAL BUSINESS COMPONENT LAUNCHES SEARCH EXECUTION SERVICE WHICH CALLS AN APPROPRIATE SEARCH ADAPTER, THE SEARCH ADAPTER CONSTRUCTS A SEARCH QUERY BASED ON THE SEARCH VISIBILITY RULES, FILTER SEARCH SPEC AND KEYWORD, EXECUTE THE QUERY TO RETRIEVE SEARCH RESULTS.
4220
IF MORE THAN ONE SEARCH CATEGORY IS SELECTED, REPEAT THE SEARCH EXECUTION FOR EACH SEARCH CATEGORY SELECTED
4225
END
4291

FIG. 42

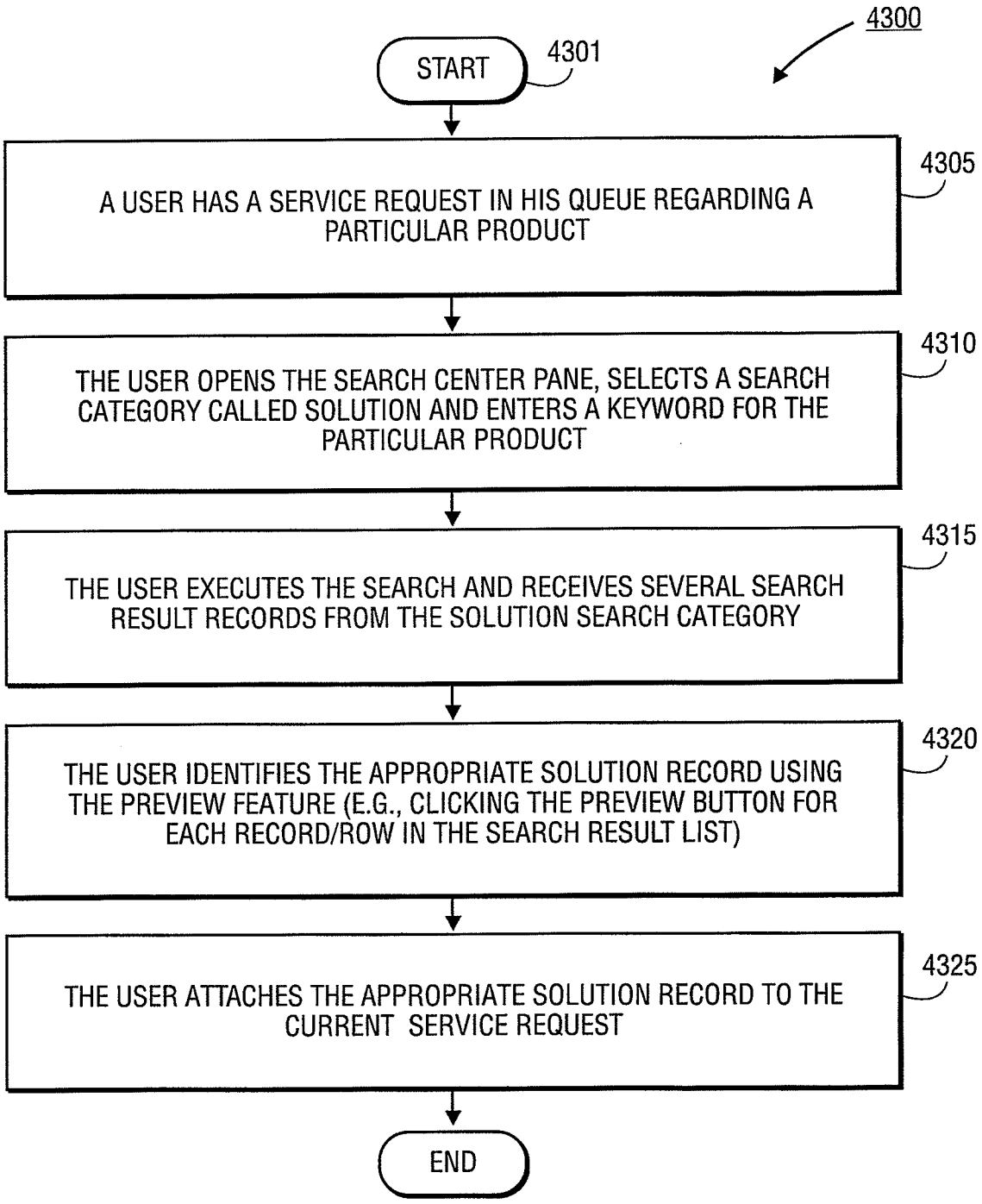

4300
START
4301
A USER HAS A SERVICE REQUEST IN HIS QUEUE REGARDING A PARTICULAR PRODUCT
4305
THE USER OPENS THE SEARCH CENTER PANE, SELECTS A SEARCH CATEGORY CALLED SOLUTION AND ENTERS A KEYWORD FOR THE PARTICULAR PRODUCT
4310
THE USER EXECUTES THE SEARCH AND RECEIVES SEVERAL SEARCH RESULT RECORDS FROM THE SOLUTION SEARCH CATEGORY
4315
THE USER IDENTIFIES THE APPROPRIATE SOLUTION RECORD USING THE PREVIEW FEATURE (E.G., CLICKING THE PREVIEW BUTTON FOR EACH RECORD/ROW IN THE SEARCH RESULT LIST)
4320
THE USER ATTACHES THE APPROPRIATE SOLUTION RECORD TO THE CURRENT SERVICE REQUEST
4325
END

FIG. 43

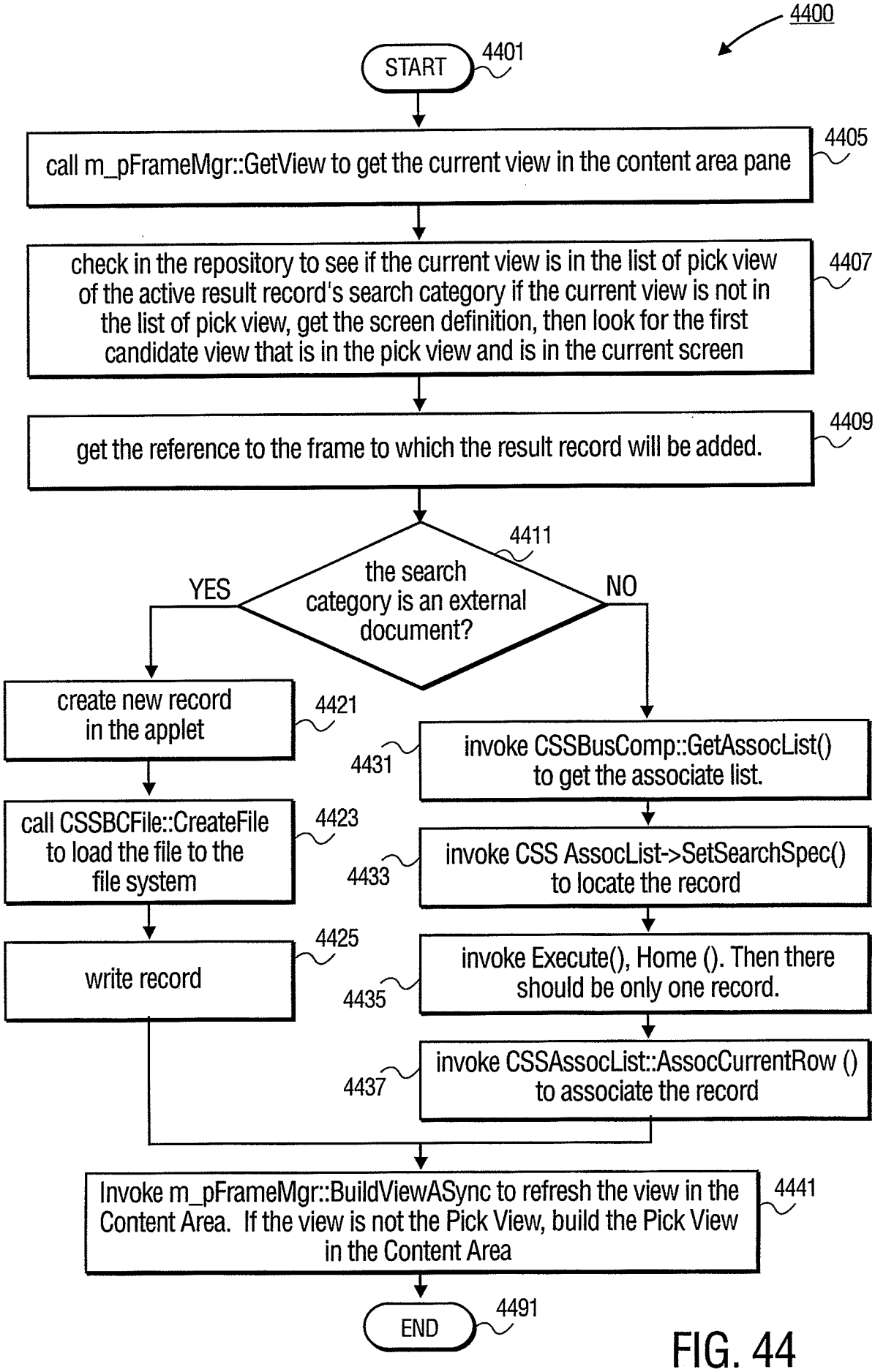

4400
START
4401
call m_pFrameMgr::GetView to get the current view in the content area pane
4405
check in the repository to see if the current view is in the list of pick view of the active result record's search category if the current view is not in the list of pick view, get the screen definition, then look for the first candidate view that is in the pick view and is in the current screen
4407
get the reference to the frame to which the result record will be added.
4409
4411
the search category is an external document?
YES
NO
create new record in the applet
4421
call CSSBCFile::CreateFile to load the file to the file system
4423
write record
4425
4431
invoke CSSBusComp::GetAssocList() to get the associate list.
4433
invoke CSS AssocList->SetSearchSpec() to locate the record
4435
invoke Execute(), Home (). Then there should be only one record.
4437
invoke CSSAssocList::AssocCurrentRow () to associate the record
Invoke m_pFrameMgr::BuildViewASync to refresh the view in the Content Area. If the view is not the Pick View, build the Pick View in the Content Area
4441
END
4491

FIG. 44

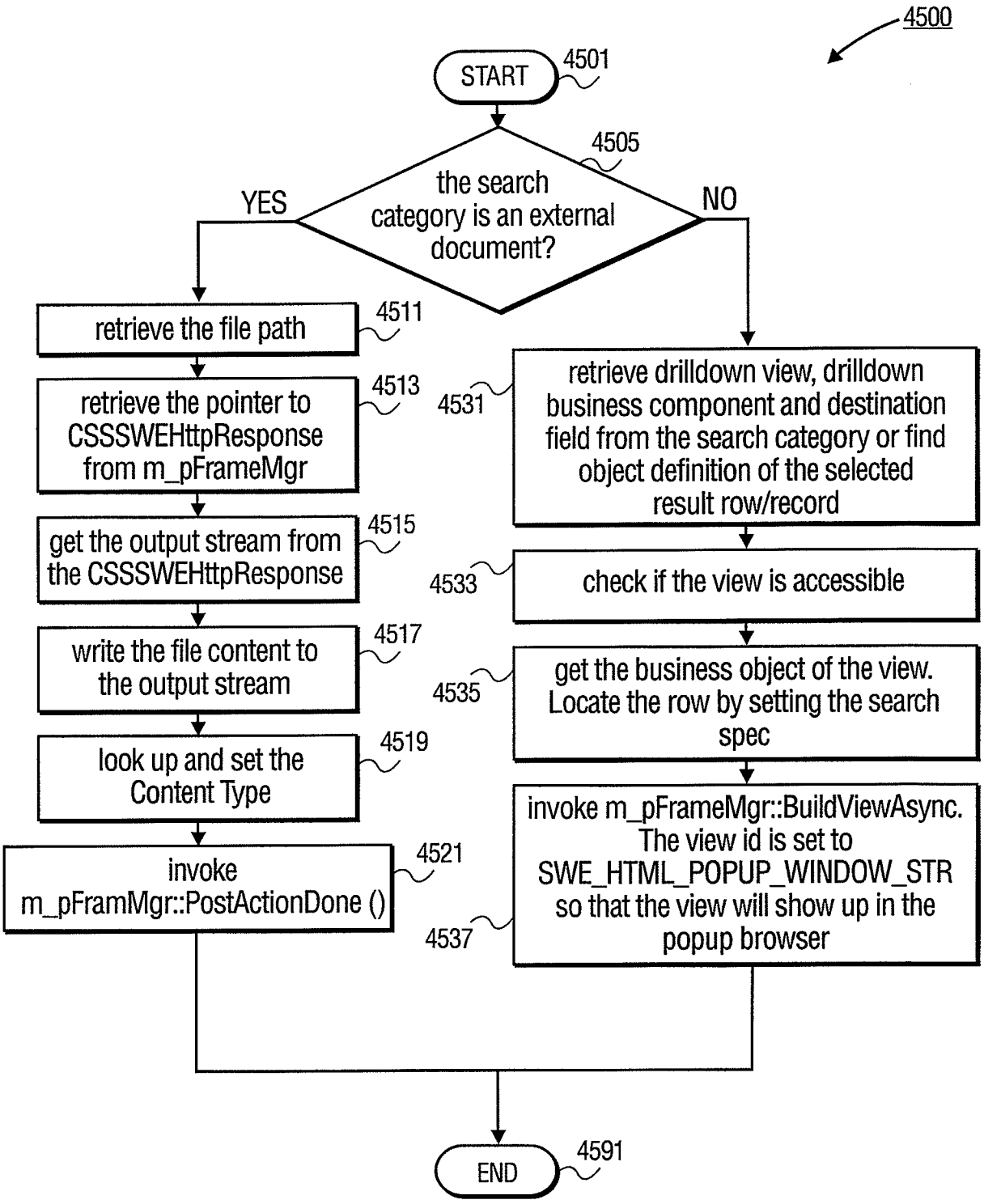

4500
START
4501
4505
the search category is an external document?
YES
NO
retrieve the file path
4511
retrieve the pointer to CSSSWEHttpResponse from m_pFrameMgr
4513
get the output stream from the CSSSWEHttpResponse
4515
write the file content to the output stream
4517
look up and set the Content Type
4519
invoke m_pFramMgr::PostActionDone ()
4521
4531
retrieve drilldown view, drilldown business component and destination field from the search category or find object definition of the selected result row/record
4533
check if the view is accessible
4535
get the business object of the view. Locate the row by setting the search spec
4537
invoke m_pFrameMgr::BuildViewAsync. The view id is set to SWE_HTML_POPUP_WINDOW_STR so that the view will show up in the popup browser
END
4591

FIG. 45

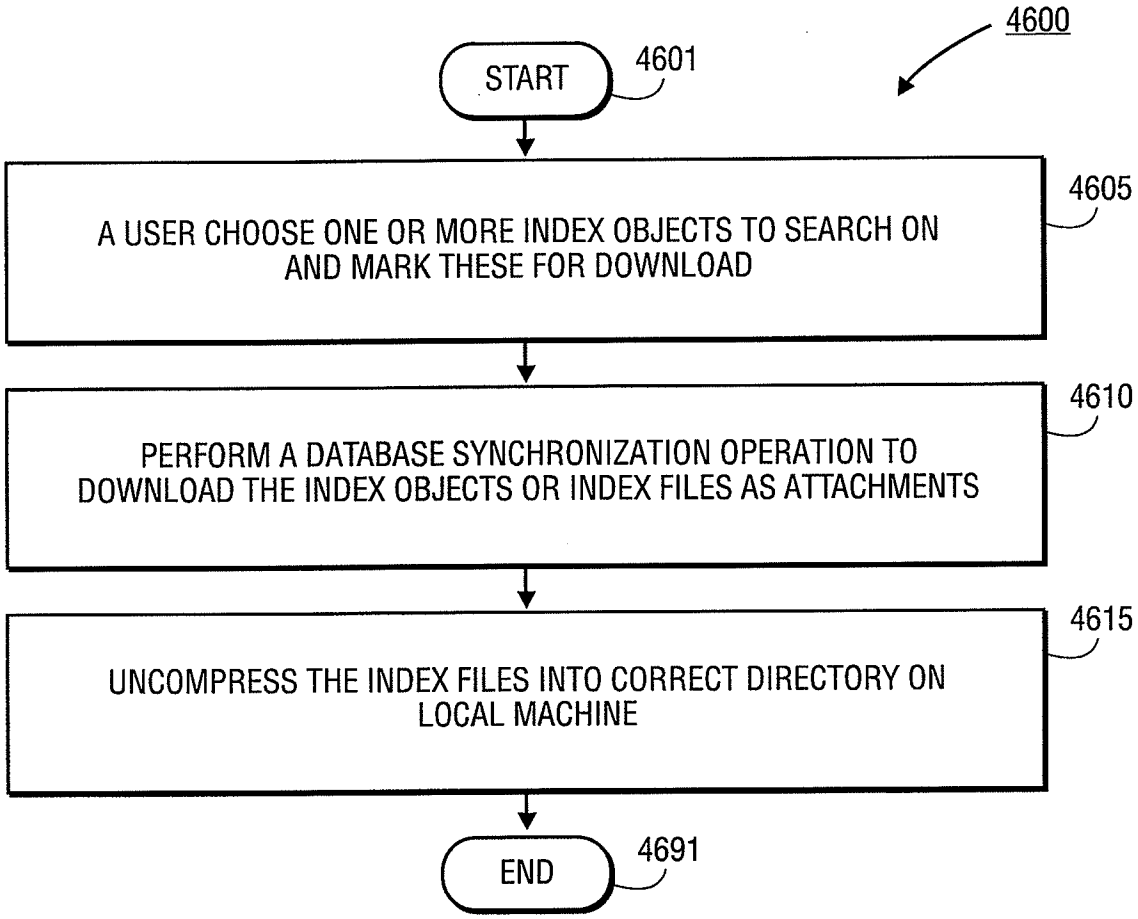

4600
START
4601
A USER CHOOSE ONE OR MORE INDEX OBJECTS TO SEARCH ON AND MARK THESE FOR DOWNLOAD
4605
PERFORM A DATABASE SYNCHRONIZATION OPERATION TO DOWNLOAD THE INDEX OBJECTS OR INDEX FILES AS ATTACHMENTS
4610
UNCOMPRESS THE INDEX FILES INTO CORRECT DIRECTORY ON LOCAL MACHINE
4615
END
4691

FIG. 46

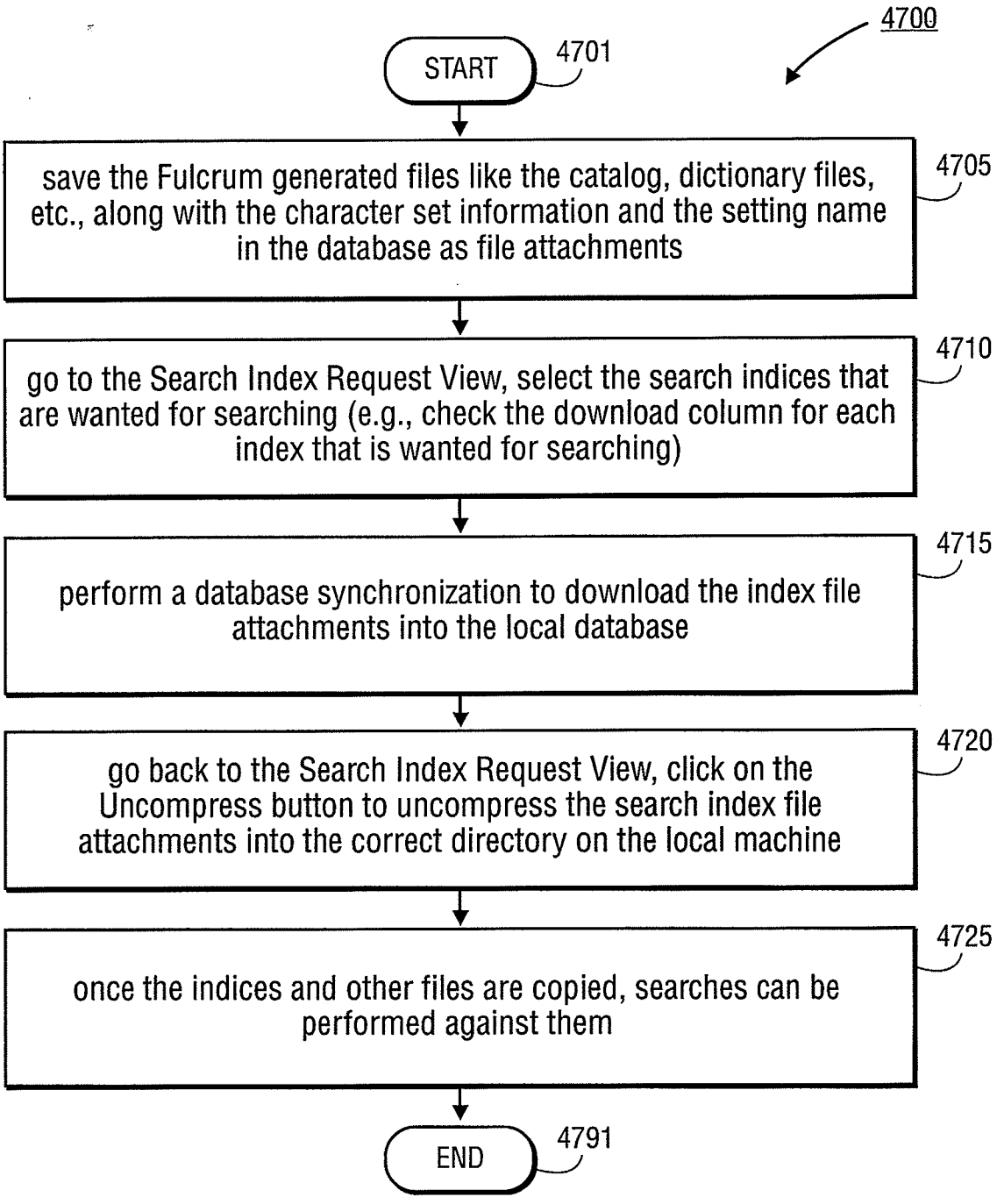

4700
START
4701
save the Fulcrum generated files like the catalog, dictionary files, etc., along with the character set information and the setting name in the database as file attachments
4705
go to the Search Index Request View, select the search indices that are wanted for searching (e.g., check the download column for each index that is wanted for searching)
4710
perform a database synchronization to download the index file attachments into the local database
4715
go back to the Search Index Request View, click on the Uncompress button to uncompress the search index file attachments into the correct directory on the local machine
4720
once the indices and other files are copied, searches can be performed against them
4725
END
4791

FIG. 47

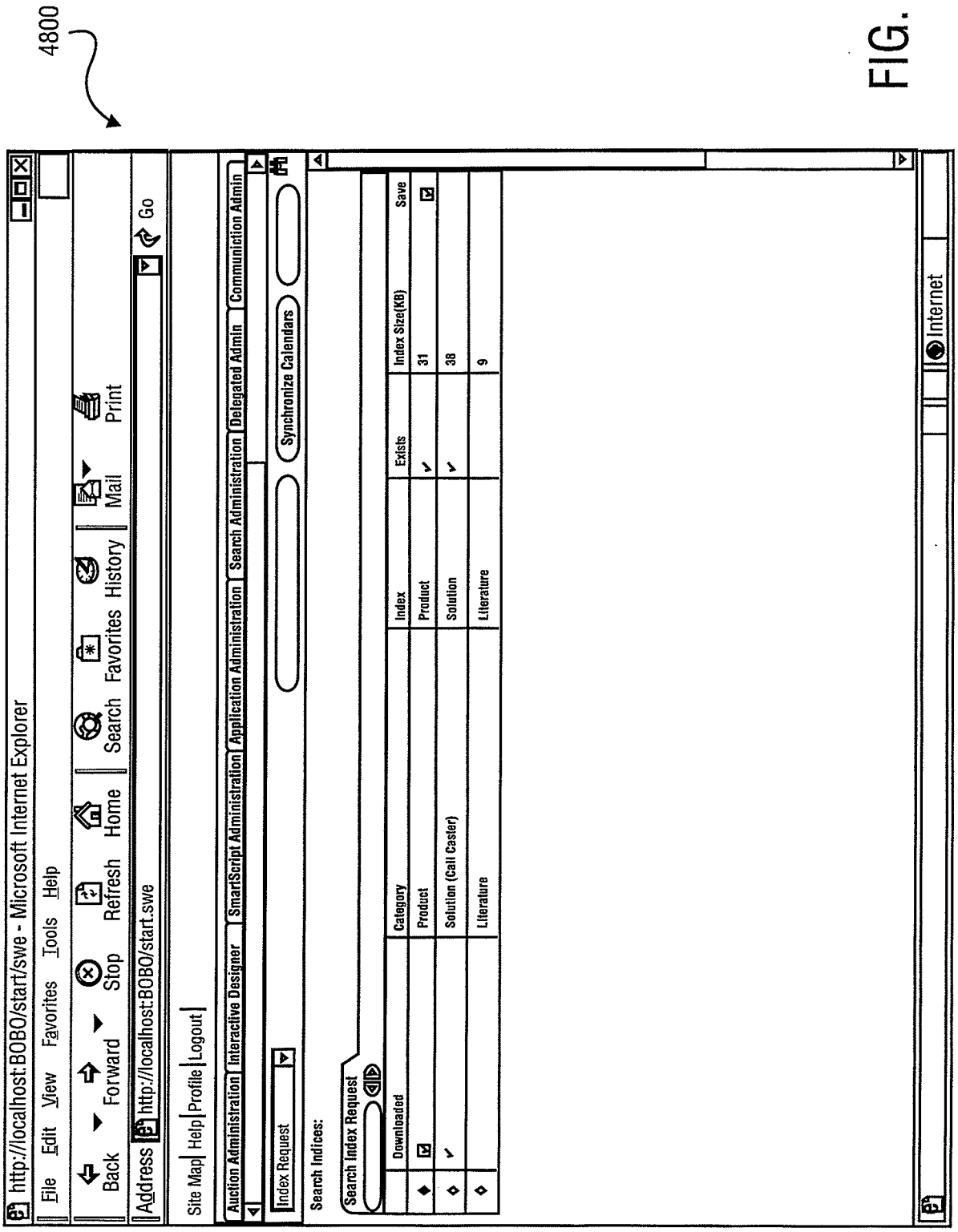

4800
http://localhost:BOBO/start/swe - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address http://localhost:BOBO/start.swe
Go
Site Map Help Profile Logout
Auction Administration
Interactive Designer
SmartScript Administration
Application Administration
Search Administration
Delegated Admin
Communiction Admin
Index Request
Synchronize Calendars
Search Indices:
Search Index Request
Downloaded
Category
Index
Exists
Index Size(KB)
Save
Product
Product
31
Solution (Call Caster)
Solution
38
Literature
Literature
9
Internet

FIG. 48

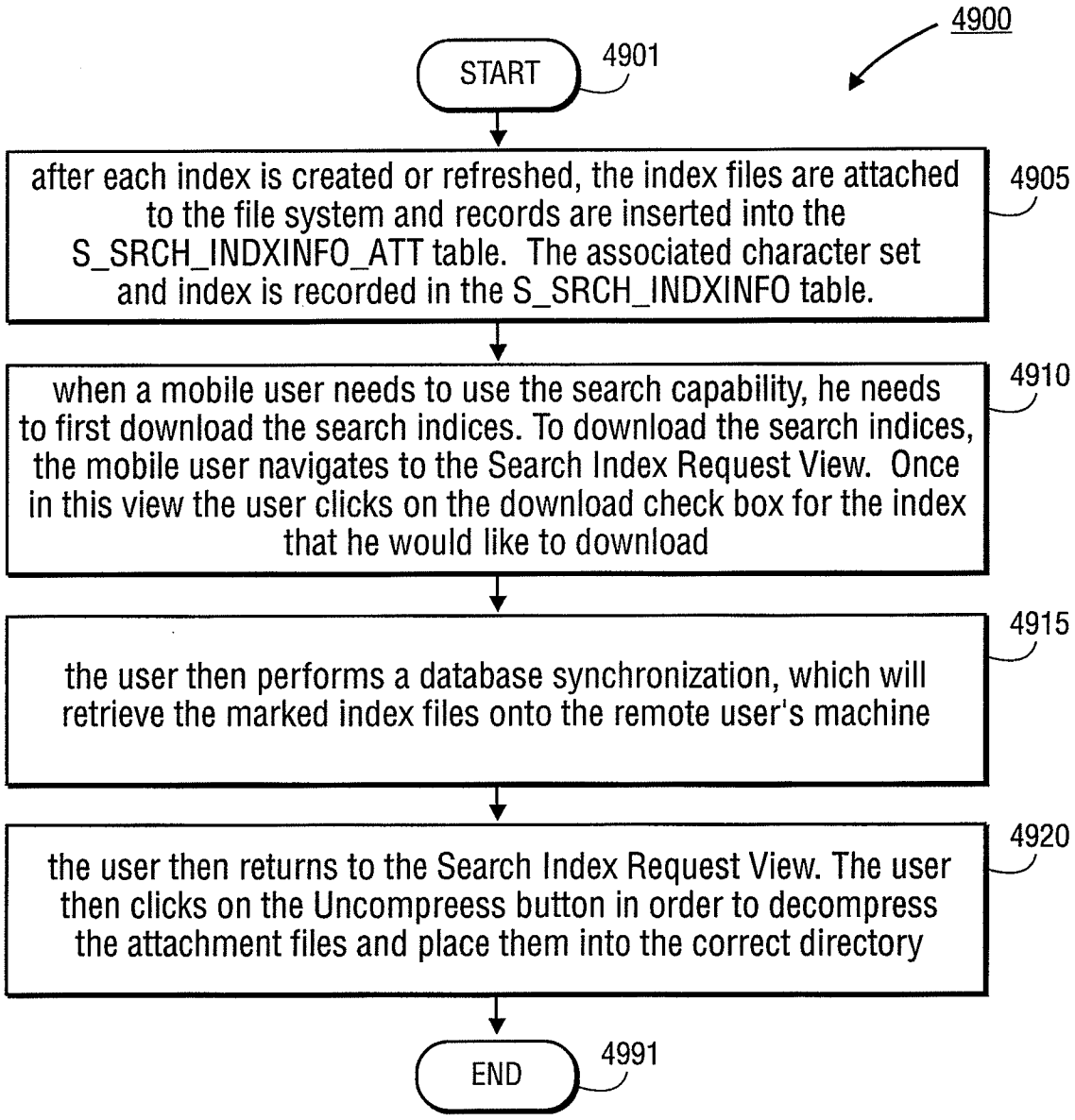

4900
START
4901
after each index is created or refreshed, the index files are attached to the file system and records are inserted into the S_SRCH_INDXINFO_ATT table. The associated character set and index is recorded in the S_SRCH_INDXINFO table.
4905
when a mobile user needs to use the search capability, he needs to first download the search indices. To download the search indices, the mobile user navigates to the Search Index Request View. Once in this view the user clicks on the download check box for the index that he would like to download
4910
the user then performs a database synchronization, which will retrieve the marked index files onto the remote user's machine
4915
the user then returns to the Search Index Request View. The user then clicks on the Uncompreess button in order to decompress the attachment files and place them into the correct directory
4920
END
4991

FIG. 49